

AKRF, Inc.

Field Verification of Key Resources at PSEG Alternative Sites

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LIST OF ACRONYMS

APE - Areas of Potential Effect
COE – Certificate of Eligibility
DESHPO - Delaware State Historic Preservation Office
ESP - Early Site Permit
NHL - National Historic Landmark
NJDEP – New Jersey Department of Environmental Protection
NJNIHP - New Jersey Natural Heritage Program
NJSR - New Jersey Register of Historic Places
NJSHPO - New Jersey State Historic Preservation Office
NJSM - New Jersey State Museum
NR-E - National Register of Historic Places - Eligible
NR-L - National Register of Historic Places - Listed
PASHPO - Pennsylvania State Historic Preservation Office
SR-E - State Register of Historic Places - Eligible
SR-L - State Register of Historic Places – Listed
USFWS - United States Fish and Wildlife Service

**FIELD VERIFICATION OF KEY RESOURCES AT PSEG ALTERNATIVE SITES
APRIL 20, 2011**

A. INTRODUCTION

To facilitate the siting and licensing of a potential new nuclear generating unit PSEG conducted a comprehensive site selection study in 2008 and 2009. The objective of this study was to select a Proposed Site for the new plant using a systematic process that considered relevant factors related to nuclear licensing, environmental acceptability, and engineering / cost issues. After evaluating a number of Potential Sites, five Candidate Sites were selected; these included the Proposed Site at PSEG's Artificial Island generating complex in Salem County, NJ (Site 7-4), and four Alternative Sites (Sites 4-1, 7-1, 7-2, and 7-3) located in New Jersey (Figure 1). The detailed methods PSEG used for selecting the four Alternative Sites are outlined in PSEG's Early Site Permit (ESP) Application, Part 3, Section 9.3 (May, 2010). The site selection study included field reconnaissance site visits conducted in September 2008 and September 2009. This evaluation was undertaken to supplement and provide additional field verification of the information provided in the ESP Application regarding the four Alternative Sites. This report supplements the information in the ESP Application, providing the maximum level of detail consistent with a reconnaissance-type investigation as specified in U.S. Nuclear Regulatory Commission regulatory guidance.

Site reconnaissance visits of Sites 7-1, 7-2, and 7-3 (February 9th and 11th, 2011) and Site 4-1 (February 15th and 19th, 2011) were conducted to examine historic and cultural resources, general land use characteristics, habitat with the potential to support federal- or state-listed threatened or endangered species, and a qualitative assessment of presence of other regulated resources (e.g., wetlands, open waters, riparian zones, etc.). The PSEG ESP Application described these resources present within each site area and developed a provisional list of potential historic and cultural resources, potential threatened and endangered species, land use classification, and potential regulated resources that may occur at each site.

B. METHODS

1. HISTORIC AND CULTURAL RESOURCES

To assess the potential effects of the project alternatives on historic and cultural resources, areas of potential effect (APEs) were delineated for both archeological and architectural resources.

The APE for archaeological resources for each Alternative Site includes all areas that could experience ground disturbance if the site were developed, which was assumed to be an area within 1 mile of each Site's boundary. The archaeological APEs are shown in Figures 2 through 5. Information on previously identified archeological sites within a mile of each of the project sites was collected at the New Jersey State Museum (NJSM). In addition, data was collected on archaeological sites located within or immediately adjacent to the conceptual off-site corridors associated with each Alternative Site. A preliminary assessment of the potential archeological sensitivity of each of the APEs was made based on the presence of these previously identified archeological sites.

In general, potential effects to architectural resources can include both direct physical effects (e.g., demolition, alteration, or damage from construction on nearby sites) and indirect contextual effects, such as the isolation of a property from its surrounding environment, or the introduction of visual, audible, or atmospheric elements that are out of character with a property or that alter its setting. The APEs for architectural resources (shown in Figures 6 through 11) are, therefore, larger than the archeological APEs in order to account for any potential impacts that may occur where proposed construction activities could physically alter architectural resources or be close enough to them to potentially cause physical damage or visual or contextual impacts. The architectural APEs were sized so as to encompass all project-related linear off-site corridors associated with each Alternative Site. The APEs for Alternative Sites 4-1, 7-1, and 7-3 consist of a 10-mile-radius area around each of the respective alternative project sites. For Alternative Site 7-2, the APE was extended to include a 13-mile-radius area around the project site in order to account for the entire extent of offsite corridors for this site.

Once the APEs were determined, an inventory of officially recognized historic resources within the APEs was compiled based on the files of the New Jersey State Historic Preservation Office (NJSHPO), the Delaware State Historic Preservation Office (DESHPO), the Pennsylvania State Historic Preservation Office (PASHPO), and the NJSM. This inventory includes properties listed on or determined eligible for listing on the National Register of Historic Places (NR); properties listed on or determined eligible for listing on the New Jersey Register of Historic Places (NJSR); National Historic Landmarks (NHLs); and archaeological sites on file at the NJSM. Pennsylvania and Delaware do not maintain a State Register of Historic Places. Previously recognized architectural resources were field-checked by an architectural historian. Any resources that had unambiguously been demolished or substantially altered were removed from the list of previously recognized architectural resources.

In addition to these previously recognized resources, a list of potential architectural resources (i.e., properties that may be eligible for listing on the NR but have not been previously designated) within the architectural APE was compiled based on field surveys conducted by an architectural historian. According to National Park Service guidelines, historic buildings, structures, sites, objects and districts that are over 50 years old are eligible for listing in the National Register if they possess historic significance as defined by the National Register criteria and possess architectural integrity (36 CFR 60.4). Each building, structure, and site observed within the archeological APE was assessed according to the National Register criteria. A survey was also conducted to identify any potential architectural resources (properties that may be eligible for listing on the State or National Registers [S/NR]) within the architectural APE. Due to the large areas contained within the four 10- to 13-mile-radius APEs, a full reconnaissance-level architectural resources survey in accordance with the methodology described in National Register Bulletin 24: Guidelines for Local Surveys (United States Department of Interior, 1985), was not feasible; however, all resources that appeared to potentially meet the NR criteria were flagged, and their locations were tabulated and mapped. For the purposes of this analysis, these properties are considered potentially eligible for the National Register. If PSEG decided to develop any of the Alternative Sites with a nuclear power plant, additional research and consultation with the appropriate SHPO may be warranted to determine the National Register eligibility of these resources.

Once the historic resources in the APEs were identified, the potential effects of the project on those resources were assessed. Project effects on architectural resources may include both direct (i.e., physical) and indirect (i.e., contextual) impacts. Direct effects could include physical

destruction, demolition, damage, or alteration of a historic resource (including the effects of construction-related ground vibration on resources near, but not necessarily on, the site). Indirect effects, such as changes in the appearance of a historic resource or in its setting—including introduction of incompatible visual, audible, or atmospheric elements to a resource’s setting, or elimination of publicly accessible views to the resource—are also considered. In addition, Section 106 requires consideration of reasonably foreseeable effects that may occur later in time, be further removed in distance, or be cumulative.

The potential for each Alternative Site to affect areas that may be archaeologically sensitive was also assessed. Any archaeological resources present would be impacted primarily by direct construction rather than by indirect effects.

2. THREATENED AND ENDANGERED SPECIES

The lists of potential threatened, endangered, and rare species occurring at the Alternative Sites that were presented in the ESP Application were derived from information provided by the New Jersey Natural Heritage Program for Franklin, Mannington, Alloway, and Greenwich Townships in October 2009 (NJNHP 2009a - d). These lists are included in Tables 1 – 4.

The supplemental site reconnaissance performed for this study involved vehicle-based observations to assess the habitats and communities present in the vicinity of each site, including the likely presence of suitable habitat for the species listed in Tables 1 through 4. Vehicle-based observations were conducted by natural resources professionals with experience in assessing listed species habitat. Observations were conducted in daylight hours during clear weather conditions. Observers noted the general land use characteristics, as well as the presence and suitability of habitat communities for species listed in Tables 1 through 4, based on existing site usage and conditions. Also, any direct observations of listed species within the sites were noted.

On the basis of these observations, an assessment was made as to the likelihood of these (or other) NJDEP and/or USFWS threatened and endangered species to occur within the Alternative Sites’ areas of disturbance (i.e., main facility, access roads, rail spurs, water pipelines, electrical transmission lines, switchyards, and other project elements required for construction of a plant.) It is important to recognize that these reconnaissance activities were conducted during a period of seasonal inactivity (mid-winter) for most species noted within Tables 1 through 4, and physical access was restricted to most areas within each site, due to the presence of private residential, agricultural, or commercial property; however, the listed species component of this assessment is habitat-based, and is intended to discuss the likelihood of federal- or state-listed species to use habitat within the proposed sites, rather than confirm actual site use by these and other threatened and endangered species. Qualified natural resources professionals assessed the habitats expected to occur in other seasons based on observation of identifiable resources (e.g., tree species, wetlands, etc.) and extensive field experience with similar habitats throughout the region. Because most of the habitat characteristics required by listed species are relatively static in that they rely on particular landforms (e.g. tidal wetlands, stream corridors, etc.) or ecological niches (e.g., grassland habitats, open forests, etc.), these features are readily identifiable in winter months even when the listed species themselves may be absent.

3. LAND USE CHARACTERIZATION

Publically available land use mapping data (e.g., NJDEP Land Use Classification mapping) were consulted in the field to verify the presence/absence of identified land use categories. Observations were made qualitatively during site visits from publically accessible roads or access points. Field observations were conducted by environmental scientists with experience in regional land use patterns to facilitate the recognition of various mapped land use categories at a distance.

4. REGULATED RESOURCES

Publically available land use mapping data (e.g., NJDEP Land Use Classification mapping) were also consulted in the field to verify the presence/absence of identified regulated resources such as wetlands, streams, or open waters. Observations were made qualitatively during site visits from publically accessible roads or access points. Field observations were conducted by environmental scientists with experience in regional regulated resources to facilitate the recognition of various mapped resource categories. Accessible and/or visible features (such as road/stream crossings, visible ponds and wetlands, etc.) were verified by direct observation; however, mapped features that were not directly observable from roadways were verified on the basis of secondary observable characteristics visible from a distance, including terrain, vegetation (e.g. dead standing *Phragmites*), and interpolation between directly observable features (e.g. stream crossings).

C. RESULTS

The following sections describe the existing historic and cultural resources, land use characteristics, and the habitats and species observed in each site, and the likelihood of threatened or endangered species to occur.

5. SITE 4-1

A. HISTORIC AND CULTURAL RESOURCES

I. *Archaeological Resources*

Information concerning previously identified archaeological sites within one mile of the project site was collected in order to make a preliminary assessment of the potential archaeological sensitivity of Site 4-1. The locations of these archeological sites are shown in Figure 2.

One previously identified archaeological site is located within the project site boundaries for Site 4-1 (see Figure 2). Site 28-Hu-390 (also known as the Lockatong Creek Site) is a prehistoric site located east of Pittstown Road and south of Locust Grove Road. According to a 1917 reference, “There is the site of a large settlement on Dr. Woolverton’s farm near the source of the Lockatong Creek southwest of Quakertown. Many chips and roughly worked blades and rejects, mostly of argillite, plainly indicate a prehistoric workshop. On this site there were also found a large number of mortars. Two large springs near at hand furnish abundant water” (Schrabisch 1917).

Three additional inventoried prehistoric archaeological sites are located within one mile of the project site. These Sites (28-Hu-391; 28-Hu-392; and 28-Hu-393) are also considered part of a Lockatong Creek Site grouping, discussed above. The closest of these to the project site is Site 28-Hu-392, located roughly 0.4 miles west of the alternative location. The following description of that site is included in Schrabisch: “There was also smaller camp on the opposite side of the brook. Just north of Kingwood and below the junction of Lockatong Creek and Mud Run there is a large argillite workshop covering several acres” (Schrabisch 1917).

No previously identified archaeological sites are located in or immediately adjacent to the conceptual off-site corridors.

Based on the presence of one previously identified prehistoric site within the project site and three previously identified archaeological sites within one mile of the project site, there is a high probability that the project site is archaeologically sensitive. If the development of this site for a new nuclear power plant was determined to be appropriate, additional research into prehistoric and historic land uses of the project site and any modern ground disturbance that may have occurred within the APE would be necessary to confirm the archaeological sensitivity of the project site. If documentary research confirms that the project site is archaeologically sensitive, a field testing program would be necessary to confirm the presence or absence of archaeological materials in the APE. If significant archaeological resources are identified within the APE that would be affected by the proposed project, measures to avoid, minimize, or mitigate any such effects would be devised in consultation with NJHPO.

II. *Architectural Resources*

a) *Previously Recognized Architectural Resources*

Table 5 lists previously recognized architectural resources (as identified in the Agency files discussed in Section B.1) that are located within the 10-mile APE. Figures 6 and 7 show the locations of these resources. As indicated in Table 5, the previously identified architectural

resources include three that are within 1,000 feet of the project site or the conceptual off-site corridors. These resources consist of the Rockhill Agricultural Historic District, Pittstown Historic District, and the Lehigh Valley Railroad Historic District. Due to the close proximity of these three resources to the proposed project facilities, there is a moderate to high likelihood that some or all of these resources would experience direct adverse effects as a result of the construction of the proposed project on Site 4-1. In particular, the Lehigh Valley Railroad Historic District would be directly affected by the proposed rail spur associated with the project. If PSEG decided to develop Site 4-1 with a nuclear power plant, it would be necessary to assess whether the proposed physical changes to the railroad district would alter character-defining features of the historic district resulting in a potential adverse effect. While the proposed project includes no plans for demolishing or physically altering any of the other known resources within 1,000 feet of the project site, if Site 4-1 were selected for development, additional consideration should be given to the potential for direct construction-period impacts to these nearby resources, such as ground vibration from construction activities (including but not limited to pile driving and heavy-haul trucking). There is a moderate to high likelihood that some or all of these resources would experience visual and/or contextual impacts as a result of the construction and operation of the proposed project on Site 4-1. In particular, the Rockhill Agricultural District, which is immediately north of the proposed project site, could experience changes in context that could compromise the character-defining features of the district.

Ten additional previously identified architectural resources were identified between 1,000 feet and one mile of the project site or conceptual off-site corridors. These resources, which are identified in Table 5, consist of five historic districts, two taverns, two churches, and a Quaker meeting house. There is a low to moderate likelihood that these resources could experience direct adverse effects as a result of the construction of the proposed project on Site 4-1, primarily through potential ground vibration that could compromise the structural integrity or important architectural elements of historic structures. There is a moderate to high likelihood that some or all of these resources would experience substantial visual effects as a result of the construction and operation of the proposed project on Site 4-1.

One hundred and forty three previously identified architectural resources were identified within the architectural APE in areas more than one mile from the project site and conceptual off-site corridors. These resources, which are identified in Table 5, include forty-eight historic districts, thirty-nine bridges, twenty-two farms and farmsteads, eight houses, four mills, three churches, and other miscellaneous resources (i.e. taverns, dams, the Flemington Fair Grounds), as described in Table 5. There is a low likelihood that these resources would be directly affected by the construction and operation of the proposed project on Site 4-1. Due to the presence of hilly topography which limits views to the project site from some locations, the potential for visual effects on these architectural resources would vary. Overall, there is a low to moderate likelihood that architectural resources more than one mile from the project site experience substantial visual impacts as a result of the construction and operation of the proposed project on Site 4-1.

b) Potential Architectural Resources

Table 6 lists potential architectural resources that were identified during field reconnaissance in the 10-mile APE. Nine potential architectural resources were identified within 1,000 feet of the project site or conceptual off-site corridors. These resources, which are identified on Table 6, consist of eight individual historic properties (including stone and wood-frame houses and barns

and a former Grange Hall), and one potential historic district. The latter is located in the center of the village of Baptistown and is comprised of commercial and residential buildings and a cemetery. Due to the close proximity of these nine potential resources to the proposed project facilities, there is a moderate to high likelihood that some or all of these resources would experience direct adverse effects as a result of the construction of the proposed project on Site 4-1. At least six of these resources may be located within the project site boundaries. Others are located further from the project site, there is still a potential that they could be impacted due to potential ground vibration associated with construction activity. If PSEG decided to develop Site 4-1 with a nuclear power plant, additional analysis of property locations and project design documents would be necessary to confirm the potential for direct effects on each of these resources. There is also a moderate to high likelihood that the resources within this boundary could experience indirect (visual and/or contextual) effects as a result of the proposed project. If Site 4-1 were selected for development, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential indirect effects of the proposed project.

Six additional potential architectural resources were identified between 1,000 feet and one mile of the project site and conceptual transmission corridors. These resources include two church and cemetery complexes, one municipal building, and three residential buildings. There is a low probability that these resources would be directly affected by the construction of the proposed project on Site 4-1. However, based on the relative proximity of the resources to the proposed project facilities, there is a moderate to high likelihood that these resources would experience indirect (visual and/or contextual) impacts as a result of the proposed project. If PSEG decided to develop Site 4-1 with a nuclear power plant, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential indirect effects of the proposed project.

Nineteen additional potential architectural resources were identified within the architectural APE but more than one mile from the project site and conceptual off-site corridors. These resources include eighteen individual properties (including stone and wood-frame houses and barns and two churches) and one potential historic district. The latter is located in the village of Cherryville and includes several residences and a church cemetery. The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered low to moderate, however visibility would vary from resource to resource depending on its location and the surrounding topography. In general the visibility of Site 4-1 would be limited from long distances because the hilly nature of the surrounding area; however, a visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

B. LAND USE CHARACTERIZATION

The ESP Application describes Site 4-1 as:

- Located in the Southern Highlands Zone of the Skylands Landscape Region;
- Dominated by agricultural fields and pastures;
- Containing highly fragmented forested habitat interspersed with agricultural land and developed areas;
- Containing wetlands throughout the zone, many impacted by human activity; and,

- Containing terrestrial species of concern associated primarily with wetland, forest, or grassland habitats.

Field observations conducted in February 2011 generally concurred with the above characterization. Most of the observable site comprised active farmland with various paved and unpaved roads traversing the area. Some residential/agricultural development was present within the site's boundary, while the periphery of the site generally consisted of fragmented forested habitat. Figures 12 through 15 provide representative views of Site 4-1 from accessible vantage points at the time of field verification. The locations of these images are shown on Figure 16.

Figure 17 provides Land Use Cover data from the NJDEP's Geographic Information Database, which are consistent with the conclusions of the ESP Application and land use characteristics observed in the field. The majority of the site comprises agricultural land and associated developed land associated with farms and residences (designated "urban" in the NJDEP Land Use Cover Data). Forested and wetlands comprise the remainder of the site. Wetland areas are characterized below under "Regulated Resources". The 2011 field verification efforts generally confirm the data compiled and referenced in the ESP Application.

Potential impacts to land use associated with development at Site 4-1 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Possible changes to regional groundwater and/or surface water flow patterns

C. THREATENED AND ENDANGERED SPECIES - LISTED SPECIES REQUIREMENTS

Table 1 lists threatened, endangered, and rare species that were identified by the New Jersey Natural Heritage Program as potentially occurring in the Site 4-1 area or that were observed during field reconnaissance of the site. The following are brief descriptions of the habitat requirements for each species noted within Table 1:

- Moist woods, wet meadows, dry fields, grasslands – Bush's Sedge, Eastern Box Turtle
- Open grasslands and freshwater or tidal wetlands with tall emergent vegetation or grasses suitable for ground-nesting – Northern Harrier
- Open lands adjacent to forested habitat with suitable cavities for nesting activity or artificial nesting structures – American Kestrel
- Open grasslands – Bobolink, Eastern Meadowlark, Savannah Sparrow, Vesper Sparrow
- Contiguous forested habitat – Veery, Wood Thrush
- Wetlands with adjacent mature forests suitable for supporting tree nesting – Great Blue Heron, Red-shouldered Hawk
- Cool, moist environments such as springs, shaded seeps and caves – Long-tailed Salamander, Northern Spring Salamander
- Shallow, sandy streams – Wood Turtle
- Variable, including woodlands, rocky outcrops, grasslands - Bobcat

Based on observed habitat, all of these species have the potential to occur within the project site; however, presence of cave or spring habitat supporting the two amphibian species could not be confirmed during the February 2011 observations. Figures 18 and 19 present NJDEP Landscape

Project data for habitat suitability for listed species. These data suggest that the western half of the site meets habitat suitability for the listed species identified above, while the majority of the eastern portion of the site is confirmed as habitat for one or more of the state listed species presented in Table 1. These data also suggest that portions of the site associated with permanent or intermittent stream corridors are either potential or confirmed vernal habitat areas, with the potential for the salamander species presented in Table 1 to occur. Figure 20 presents NJDEP listed Natural Resources mapping data for Natural Heritage Sites and Environmentally Sensitive Areas, which are NJDEP planning areas for the regulation and permitting of new development (in this case, the NJDEP Highlands Preservation District). Development in areas listed as Natural Heritage Sites or Environmentally Sensitive Areas is generally discouraged at the planning level due to the presence of one or more important resources and/or contiguous habitat for protected species.

Potential impacts to threatened, endangered, or rare species associated with development at Site 4-1 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Noise disturbance during construction and operation

D. THREATENED AND ENDANGERED SPECIES - ADDITIONAL SPECIES OBSERVATIONS

A single American Kestrel (male) was observed foraging in the vicinity of Pittstown Road and Locust Grove Road at Leon's Sod Farm. Additionally, a nest box suitably sized to support American Kestrel nesting was present along Pittstown Road in the vicinity of the Rutgers University Snyder Research and Extension Farm. A foraging Northern Harrier (female) was observed in open fields adjacent to Sky Manor Airport at Sky Manor Road and Pittstown Road. Based on available habitat, both of the above species could be present during the breeding season in suitable habitat within the project site, although available habitat for Northern Harrier is limited.

E. OTHER SPECIES POTENTIALLY OCCURRING ON THE SITE

In addition to state or federally listed species, the following list of the most likely terrestrial, aquatic, and avian species that could make use of the available habitats of Site 4-1 has been developed based on field observations and available habitat mapping data:¹

I. Mammalian Species

Opossum (*Didelphis virginiana*)
Eastern cottontail (*Sylvilagus floridanus*)
Meadow vole (*Microtus pennsylvanicus*)
House mouse (*Mus musculus*)

¹ These lists are based on observable habitat, publically available mapping data, and the best professional judgment of field biologists. These lists are not all-inclusive, and do not represent the results of rigorous, multi-season field surveys of fauna on the site.

White-footed mouse (*Peromyscus leucopus*)
Norway rat (*Rattus norvegicus*)
American beaver (*Castor canadensis*)
Eastern grey squirrel (*Sciurus carolinensis*)
Raccoon (*Procyon lotor*)
Red fox (*Vulpes vulpes*)
Striped skunk (*Mephitis mephitis*)
Long-tailed weasel (*Mustela frenata*)
Coyote (*Canus latrans*)
Whitetail deer (*Odocoileus virginianus*)

II. Herpetofauna

Fowler's toad (*Bufo woodhousii fowleri*)
Eastern gray treefrog (*Hyla versicolor*)
Northern spring peeper (*Pseudacris crucifer*)
Bullfrog (*Rana catesbeiana*)
Pickerel frog (*Rana palustris*)
Wood frog (*Rana sylvatica*)
Five-lined skink (*Eumeces fasciatus*)
Northern red salamander (*Pseufotriton ruber*)
Spotted salamander (*Ambystoma maculatum*)
Northern dusky salamander (*Desmognathus fuscus*)
Eastern painted turtle (*Chrysemys picta*)
Eastern mud turtle (*Kinosternon subrubrum*)
Common snapping turtle (*Chelydra serpentine*)
Stinkpot turtle (*Sternotherus odoratus*)
Eastern box turtle (*Terrapene carolina*)
Northern black snake (*Coluber constrictor*)
Black rat snake (*Elaphe obsoleta*)
Eastern hognose snake (*Heterodon platyrhinos*)
Eastern kingsnake (*Lampropeltis getulus*)
Eastern garter snake (*Thamnophis sirtalis*)

III. Avian Species

Cattle egret (*Bubulcus ibis*)
Wood duck (*Aix sponsa*)
Snow goose (*Chen caerulescens*)
Canada goose (*Branta canadensis*)
Cooper's hawk (*Accipiter cooperii*)
Northern goshawk (*Accipiter gentilis*)
Sharp-shinned hawk (*Accipiter striatus*)
Red-tailed hawk (*Buteo jamaicensis*)
Red-shouldered Hawk (*Buteo lineatus*)
Broad-winged hawk (*Buteo platypterus*)
Turkey vulture (*Cathartes aura*)
Black vulture (*Coragyps atratus*)
Peregrine falcon (*Falco peregrinus*)

American kestrel (*Falco sparverius*)
Northern bobwhite (*Colinus virginianus*)
Wild turkey (*Meleagris gallopavo*)
Ring-necked pheasant (*Phasianus colchicus*)
Killdeer (*Charadrius vociferous*)
Ring-billed gull (*Larus densis*)
American woodcock (*Scolopax minor*)
Rock dove (*Columba livia*)
Mourning dove (*Zenaida macroura*)
Great horned owl (*Bubo virginianus*)
Eastern screech-owl (*Otus asio*)
Barn owl (*Tyto alba*)
Chuck-Will's-widow (*Caprimulgus carolinensis*)
Ruby-throated hummingbird (*Archilochus colubris*)
Chimney swift (*Chaetura pelagic*)
Northern flicker (*Colaptes auratus*)
Pileated woodpecker (*Dryocopus pileatus*)
Red-bellied woodpecker (*Melanerpes carolinus*)
Red-winged blackbird (*Agelaius phoeniceus*)
Grasshopper Sparrow (*Ammodramus savannarum*)
American tree sparrow (*Spizella arborea*)
Chipping sparrow (*Spizella passerine*)
Field sparrow (*Spizella pusilla*)
American pipit (*Anthus rubescens*)
Tufted titmouse (*Baeolophus bicolor*)
Cedar waxwing (*Bombycilla cedrorum*)
Northern cardinal (*Cardinalis cardinalis*)
American goldfinch (*Carduelis tristis*)
House finch (*Carpodacus mexicanus*)
Purple finch (*Carpodacus purpureus*)
Carolina wren (*Thryothorus ludovicianus*)
House wren (*Troglodytes aedon*)
Winter wren (*Troglodytes troglodytes*)
Brown creeper (*Certhia americana*)
Eastern wood pewee (*Contopus virens*)
American crow (*Corvus brachyrhynchos*)
Common grackle (*Quiscalus quiscula*)
Blue jay (*Cyanocitta cristata*)
Yellow-throated vireo (*Vireo flavifrons*)
White-eyed vireo (*Vireo griseus*)
Yellow-rumped warbler (*Dendroica coronate*)
Palm warbler (*Dendroica palmarum*)
Yellow warbler (*Dendroica petechia*)
Pine warbler (*Dendroica pinus*)
Bobolink (*Dolichonyx oryzivorus*)
Brown thrasher (*Toxostoma rufum*)
Gray catbird (*Dumetella carolinensis*)
Eastern kingbird (*Tyrannus tyrannus*)
Acadian flycatcher (*Empidonax virescens*)

Common Yellowthroat (*Geothlypis triachas*)
 American robin (*Turdus migratorius*)
 Worm-eating warbler (*Helmitheros vermivorus*)
 Barn swallow (*Hirundo rustica*)
 Cliff swallow (*Petrochelidon pyrrhonota*)
 Bank swallow (*Riparia riparia*)
 Tree swallow (*Tachycineta bicolor*)
 Northern rough-winged swallow (*Stelgidopteryx serripennis*)
 Wood thrush (*Hylocichla mustelina*)
 Yellow-breasted chat (*Icteria virens*)
 Dark-eyed junco (*Junco hyemalis*)
 Tree swallow (*Tachycineta bicolor*)
 Song sparrow (*Melospiza melodia*)
 Northern mockingbird (*Mimus polyglottos*)
 Eastern meadowlark (*Sturnella magna*)
 Brown-headed cowbird (*Molothrus ater*)
 Kentucky warbler (*Oporornis formosus*)
 House sparrow (*Passer domesticus*)
 Savannah sparrow (*Passerculus sandwichensis*)
 Eastern bluebird (*Sialia sialis*)
 Indigo bunting (*Passerina cyanea*)
 Yellow-bellied sapsucker (*Sphyrapicus varius*)
 Scarlet tanager (*Piranga olivacea*)
 Black-capped chickadee (*Poecile atricapillus*)
 Carolina chickadee (*Poecile carolinensis*)
 Prothonotary warbler (*Protonotaria citrea*)
 Eastern phoebe (*Sayornis phoebe*)
 Ovenbird (*Seiurus aurocapillus*)
 American redstart (*Setophaga ruticilla*)

F. REGULATED RESOURCES

The presence of wetlands/water bodies was confirmed by features observable to the extent practical, from roadways adjacent to or crossing the site. The presence of wetlands and streams was confirmed by features directly observable or those observable at a distance (e.g., standing water, wetland vegetation, etc.), especially along Baptistown Road near the site's southern boundary and along the site's western boundary. These wetlands appear to comprise forested freshwater wetlands with open water stream habitats and forested/vegetated, regulated riparian zones. Figures 21 and 22 present NJDEP wetlands mapping and National Wetlands Inventory (NWI) mapping, respectively, which indicate the general areas of wetlands on the site. The 2011 field verification efforts confirm the data compiled and referenced in the ESP Application; however, defining the precise extent of wetlands would require field wetland delineation and a Letter of Interpretation (LOI) from the NJDEP to establish actual limits of regulated wetlands and to establish regulated wetlands buffers.

Several creeks traversing the site are listed by NJDEP as Category 1 waters associated with the Cakepoulin Creek unit (FW2-TPC1). Category 1 waters are defined in the existing Surface Water Quality Standards rules at N.J.A.C. 7:9B-1.4 as waters protected from any measurable changes in water quality because of their exceptional ecological significance, exceptional

recreational significance, exceptional water supply significance, or exceptional fisheries resources. Category 1 waters have more stringent anti-degradation requirements than Category 2 waters.

Potential impacts to regulated resources associated with development at Site 4-1 include:

- Direct fill of wetland and open water habitats
- Disturbance/removal of vegetation in wetlands, wetland buffers, and riparian zones
- Possible changes to regional groundwater and/or surface water flow patterns

G. CONCLUSIONS

There is a MODERATE to HIGH likelihood that archeological resources could experience direct adverse effects as a result of the construction of the proposed project on Site 4-1. There is a MODERATE to HIGH likelihood that some architectural resources would experience ground vibration and substantial visual effects as a result of the construction and operation of the proposed project on Site 4-1.

The ESP Application concluded that the land use impact due to project construction would be MODERATE, impacts to terrestrial ecology due to project construction would be SMALL, impacts to wetlands would be MODERATE, and impacts to the 13 listed animal species and 1 listed plant species with the potential to occur within approximately one mile of the site would be SMALL. The February 2011 site reconnaissance visits confirm these conclusions. Impacts on the additional two species observed within the project site (Northern Harrier and American Kestrel) would also be expected to be SMALL.

6. SITE 7-1

A. HISTORIC AND CULTURAL RESOURCES

I. *Archaeological Resources*

Information concerning previously identified archaeological sites within one mile of the project site was collected in order to make a preliminary assessment of the potential archaeological sensitivity of Site 7-1.

Figure 3 identifies known archeological resources near Site 7-1. Three archaeological sites were identified within one mile of the project site (Sites 28-Sa-73; 28-Sa-13; and 28-Sa-137). The closest of these to the project site is Site Site 28-Sa-73, a prehistoric period site located approximately 0.4 miles from the project site. The other sites are located approximately 0.75 miles southwest of the project site. In addition, three archaeological sites (all prehistoric) are located in the immediate vicinity of the conceptual off-site corridors. These sites include 28-Sa-119 (the Atlantic Electric Site, west of Route 49 in Pennsville); 28-Sa-176 (the Salem Creek Site, adjacent to Salem Creek off Hawk's Bridge Road); and 28-Sa-61 (the Kates Creek North Site, west of Pointers-Sharpetown Road near Sunset Road).

Based on the presence of these previously identified archaeological sites in close proximity to the project sites and conceptual off-site corridors, there is a moderate to high probability that the APE contains archaeologically sensitive locations. If the development of this site for a new nuclear power plant was determined to be appropriate, additional research into prehistoric and historic land uses of the project site and any modern ground disturbance that may have occurred within the APE would be necessary to confirm the archaeological sensitivity of the project site. If documentary research confirms that portions of the APE are archaeologically sensitive, a field testing program would be necessary to confirm the presence or absence of archaeological materials in the APE. If significant archaeological resources are identified within the APE that would be affected by the proposed project, measures to avoid, minimize, or mitigate any such effects would be devised in consultation with NJHPO.

II. *Architectural Resources*

a) *Previously Recognized Architectural Resources*

Table 7 lists previously identified architectural resources that are located within the 10-mile APE. Figures 8 and 9 show the locations of these resources. Only one previously identified architectural resource, the Salem County Alms House and Insane Asylum, was identified within 1,000 feet of the conceptual rail spur corridor. Due to the close proximity of this resource to the rail spur corridor, there is a moderate to high likelihood that this resource would experience direct adverse effects as a result of the construction of the proposed project, including the potential for ground vibration and visual impacts to affect the historic structure or important architectural elements.

Six additional previously identified architectural resources were identified between 1,000 feet and one mile of the project site and conceptual off-site corridors. These resources, listed on Table 7, consist of the South Woodstown Historic District, and three residential buildings, one farmstead, and Finn's Point Rear Range Light. There is a low to moderate likelihood that these

resources would experience direct adverse effects as a result of the construction of the proposed project on Site 7-1. However, there is a moderate to high likelihood that some or all of these resources would experience substantial visual effects as a result of the construction and operation of the proposed project on Site 7-1.

One hundred and sixty three previously identified architectural resources were identified within the architectural APE, but more than one mile from the project site and conceptual off-site corridors. These resources, listed in Table 7, include thirty-three houses, twenty-four historic districts, fifteen churches, the Penns Grove Municipal Building, the Swedesboro Borough Hall, and other buildings, taverns, and schools. The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered moderate; however, visibility would vary from resource to resource depending on its location and the surrounding topography. In general, the alternative project site is relatively widely visible due to the flat topography of the area. However, if PSEG decided to develop Site 7-1 with a nuclear power plant, a visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

b) Potential Architectural Resources

Table 8 lists potential architectural resources that were identified during field reconnaissance in the 10-mile APE. Four potential architectural resources were identified within 1,000 feet of the project site and conceptual off-site corridors. These resources consist of two farmhouses, one 2.5 story frame house with a porch, and a United Methodist Church and Cemetery. Due to the close proximity of these four potential resources to the project site, there is a moderate to high likelihood that some or all of these resources would experience direct adverse effects as a result of the construction of the proposed project on Site 7-1, primarily through potential impacts from ground vibration associated with construction. One of these sites appears to be located within the project site itself. If PSEG decided to develop Site 7-1 with a nuclear power plant, additional analysis of property locations and project design documents would be necessary to confirm the potential for direct effects on each of these resources. There is also a moderate to high likelihood that the resources within this boundary could experience indirect (visual and/or contextual) effects as a result of the proposed project. If Site 7-1 were selected for development, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Two additional potential architectural resources were identified between 1,000 feet and one mile of the project site and conceptual off-site corridors. Both of these resources consist of residential buildings (one two-story brick house with gable dormers, and one two-story 3-bay brick vernacular house and frame barns).

There is a low to moderate probability that these resources would be directly affected by the construction of the proposed project on Site 7-1. However, based on the relative proximity of the resources to the site, there is a moderate to high likelihood that these resources would experience indirect (visual and/or contextual) impacts as a result of the proposed project. If PSEG decided to develop Site 7-1 with a nuclear power plant, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Thirty four additional potential architectural resources were identified within the architectural APE but more than one mile from the project site and conceptual off-site corridors. These resources include thirty-one individual properties (including stone and wood-frame houses and barns), a brick tomb, a church, and a clapboard-clad mill.

The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered low to moderate, however visibility would vary from resource to resource depending on its location and the surrounding topography. A visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

B. LAND USE CHARACTERIZATION

The ESP Application describes Site 7-1 as:

- Located in the Southern Zone of the Piedmont Plains Landscape Region;
- Extensively farmed, with relatively large forest and wetland complexes remaining;
- Containing wetland areas that have been farmed or otherwise disturbed by human activities; and,
- Containing terrestrial species of concern associated primarily with wetland, forest, or grassland habitats.

Field observations conducted in February 2011 generally concurred with the above characterization. Numerous sites within the project site were signed as ‘Preserved Farmland’, a designation offered through the NJ State Agriculture Development Committee identifying land protected for agricultural use, indicating that active farming occurs within the project site. If these properties are subject to a Deed of Conservation Restriction preserving them as Preserved Farmland, a change to the deed or deeds would be required to make the site a viable alternative.

Most of the observable site comprised active farmland with various paved and unpaved roads traversing the area, and evidence of several agricultural drainage ditches within the site was observed. Some residential/agricultural development was present within the site’s boundary, while the periphery of the site generally consisted of fragmented forested or forested wetland habitats and stream corridors with regulated riparian zones. Figures 23 through 26 provide representative views of Site 7-1 from accessible vantage points at the time of field verification. Figure 27 provides the locations at which these images were taken.

Figure 28 provides Land Use Cover data from the NJDEP’s Geographic Information Database, which are consistent with the conclusions of the ESP Application and land use characteristics observed in the field. These data indicate that the majority of the site comprises agricultural land, with additional areas of forested land and wetlands. Regulated wetlands are characterized below under “Regulated Resources”. The 2011 field verification efforts confirm the data compiled and referenced in the ESP Application.

Potential impacts to land use associated with development at Site 7-1 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors

- Possible changes to regional groundwater and/or surface water flow patterns

C. THREATENED AND ENDANGERED SPECIES - LISTED SPECIES REQUIREMENTS

The following are brief descriptions of the habitat requirements for each species noted within Table 2:

- Moist woods, wet meadows, dry fields, grasslands – Eastern Box Turtle
- Forested habitat, including moderately fragmented habitats adjacent to development – Cooper’s Hawk
- Calcareous wetlands at forest edges – Bog Turtle
- Open grasslands and freshwater or tidal wetlands with tall emergent vegetation or grasses suitable for ground-nesting – Northern Harrier
- Open grasslands – Bobolink, Upland Sandpiper, Vesper Sparrow
- Rich woodlands -- Leatherwood
- Wetlands with adjacent mature forests suitable for supporting tree nesting – Great Blue Heron
- Forested habitat or artificial nest structures suitable for supporting large stick nests adjacent to substantial open water – Bald Eagle, Osprey

Based on observed habitat, these species have the potential to occur within the project site. Figures 29 and 30 present NJDEP Landscape Project data for habitat suitability for listed species. These data suggest that nearly all of the site contains suitable habitat that is characterized as one or more of the Landscape Project categories grassland, forest, forested wetlands, and/or emergent wetlands for the state and federal listed species outlined in Table 2. Figure 31 presents NJDEP listed Natural Resources mapping data for Natural Heritage Sites and Environmentally Sensitive Areas. Site 7-2 borders both State Open Space for Rare Species and Ecological Communities and/or designated Environmentally Sensitive Areas, which are NJDEP planning areas for the regulation and permitting of new development. Development in areas listed as Natural Heritage Sites or Environmentally Sensitive Areas is generally discouraged at the planning level due to the presence of one or more important resources and/or contiguous habitat for protected species.

Potential impacts to threatened, endangered, or rare species associated with development at Site 7-1 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Noise disturbance during construction and operation

D. THREATENED AND ENDANGERED SPECIES - ADDITIONAL SPECIES OBSERVATIONS

A foraging Northern Harrier (female) was observed in agricultural fields adjacent to Abbots Farm Road. Available habitat for nesting and foraging Northern Harrier was present within the project site.

E. OTHER SPECIES POTENTIALLY OCCURRING ON THE SITE

In addition to state or federally listed species, the following list of the most likely terrestrial, aquatic, and avian species that could make use of the available habitats of Site 7-1 has been developed based on field observations and available habitat mapping data:

I. Mammalian Species

Opossum (*Didelphis virginiana*)
Eastern cottontail (*Sylvilagus floridanus*)
Meadow vole (*Microtus pennsylvanicus*)
House mouse (*Mus musculus*)
White-footed mouse (*Peromyscus leucopus*)
Norway rat (*Rattus norvegicus*)
Muskrat (*Ondatra zibethicus*)
American beaver (*Castor canadensis*)
Eastern grey squirrel (*Sciurus carolinensis*)
Raccoon (*Procyon lotor*)
Red fox (*Vulpes vulpes*)
Striped skunk (*Mephitis mephitis*)
Long-tailed weasel (*Mustela frenata*)
Coyote (*Canis latrans*)
Whitetail deer (*Odocoileus virginianus*)

II. Herpetofauna

Fowler's toad (*Bufo woodhousii fowleri*)
Eastern gray treefrog (*Hyla versicolor*)
Northern spring peeper (*Pseudacris crucifer*)
Southern leopard frog (*Rana sphenocephala*)
Bullfrog (*Rana catesbeiana*)
Pickerel frog (*Rana palustris*)
Wood frog (*Rana sylvatica*)
Five-lined skink (*Eumeces fasciatus*)
Northern red salamander (*Pseufotriton ruber*)
Spotted salamander (*Ambystoma maculatum*)
Northern dusky salamander (*Desmognathus fuscus*)
Eastern painted turtle (*Chrysemys picta*)
Eastern mud turtle (*Kinosternon subrubrum*)
Common snapping turtle (*Chelydra serpentina*)
Stinkpot turtle (*Sternotherus odoratus*)
Eastern box turtle (*Terrapene carolina*)
Northern black snake (*Coluber constrictor*)
Black rat snake (*Elaphe obsoleta*)
Eastern hognose snake (*Heterodon platyrhinos*)
Coastal plain milk snake (*Lampropeltis triangulum temporalis*)
Eastern kingsnake (*Lampropeltis getulus*)
Eastern garter snake (*Thamnophis sirtalis*)

III. Avian Species

Cattle egret (*Bubulcus ibis*)
Great blue heron (*Ardea herodias*)
Glossy ibis (*Plegadis falcinellus*)
Wood duck (*Aix sponsa*)
Green-winged teal (*Anas crecca*)
Snow goose (*Chen caerulescens*)
Canada goose (*Branta canadensis*)
Cooper's hawk (*Accipiter cooperii*)
Northern goshawk (*Accipiter gentilis*)
Sharp-shinned hawk (*Accipiter striatus*)
Red-tailed hawk (*Buteo jamaicensis*)
Red-shouldered Hawk (*Buteo lineatus*)
Broad-winged hawk (*Buteo platypterus*)
Turkey vulture (*Cathartes aura*)
Black vulture (*Coragyps atratus*)
Peregrine falcon (*Falco peregrinus*)
American kestrel (*Falco sparverius*)
Northern bobwhite (*Colinus virginianus*)
Wild turkey (*Meleagris gallopavo*)
Ring-necked pheasant (*Phasianus colchicus*)
Wilson's snipe (*Gallinago delicata*)
Killdeer (*Charadrius vociferous*)
Herring gull (*Larus argentatus*)
Ring-billed gull (*Larus densis*)
American woodcock (*Scolopax minor*)
Rock dove (*Columba livia*)
Mourning dove (*Zenaidura macroura*)
Great horned owl (*Bubo virginianus*)
Eastern screech-owl (*Otus asio*)
Barn owl (*Tyto alba*)
Chuck-Will's-widow (*Caprimulgus carolinensis*)
Ruby-throated hummingbird (*Archilochus colubris*)
Chimney swift (*Chaetura pelagic*)
Northern flicker (*Colaptes auratus*)
Pileated woodpecker (*Dryocopus pileatus*)
Red-bellied woodpecker (*Melanerpes carolinus*)
Red-winged blackbird (*Agelaius phoeniceus*)
Grasshopper Sparrow (*Ammodramus savannarum*)
American tree sparrow (*Spizella arborea*)
Swamp sparrow (*Melospiza georgiana*)
Chipping sparrow (*Spizella passerine*)
Field sparrow (*Spizella pusilla*)
White-throated sparrow (*Zonotrichia albicollis*)
American pipit (*Anthus rubescens*)
Tufted titmouse (*Baeolophus bicolor*)
Baltimore oriole (*Icterus galbula*)
Purple martin (*Progne subis*)

Cedar waxwing (*Bombycilla cedrorum*)
Northern cardinal (*Cardinalis cardinalis*)
American goldfinch (*Carduelis tristis*)
House finch (*Carpodacus mexicanus*)
Purple finch (*Carpodacus purpureus*)
Carolina wren (*Thryothorus ludovicianus*)
House wren (*Troglodytes aedon*)
Winter wren (*Troglodytes troglodytes*)
Eastern towhee (*Pipilo erythrophthalmus*)
Brown creeper (*Certhia americana*)
Eastern wood pewee (*Contopus virens*)
American crow (*Corvus brachyrhynchos*)
Common grackle (*Quiscalus quiscula*)
Blue jay (*Cyanocitta cristata*)
Yellow-throated vireo (*Vireo flavifrons*)
White-eyed vireo (*Vireo griseus*)
Yellow-rumped warbler (*Dendroica coronate*)
Palm warbler (*Dendroica palmarum*)
Yellow warbler (*Dendroica petechia*)
Pine warbler (*Dendroica pinus*)
Prothonotary warbler (*Protonotaria citrea*)
Bobolink (*Dolichonyx oryzivorus*)
Brown thrasher (*Toxostoma rufum*)
Gray catbird (*Dumetella carolinensis*)
Eastern kingbird (*Tyrannus tyrannus*)
Acadian flycatcher (*Empidonax virescens*)
Common Yellowthroat (*Geothlypis triachas*)
American robin (*Turdus migratorius*)
Worm-eating warbler (*Helmitheros vermivorus*)
Barn swallow (*Hirundo rustica*)
Cliff swallow (*Petrochelidon pyrrhonota*)
Bank swallow (*Riparia riparia*)
Tree swallow (*Tachycineta bicolor*)
Northern rough-winged swallow (*Stelgidopteryx serripennis*)
Wood thrush (*Hylocichla mustelina*)
Yellow-breasted chat (*Icteria virens*)
Dark-eyed junco (*Junco hyemalis*)
Tree swallow (*Tachycineta bicolor*)
Song sparrow (*Melospiza melodia*)
Northern mockingbird (*Mimus polyglottos*)
Eastern meadowlark (*Sturnella magna*)
Brown-headed cowbird (*Molothrus ater*)
Kentucky warbler (*Oporornis formosus*)
House sparrow (*Passer domesticus*)
Savannah sparrow (*Passerculus sandwichensis*)
Eastern bluebird (*Sialia sialis*)
Indigo bunting (*Passerina cyanea*)
Yellow-bellied sapsucker (*Sphyrapicus varius*)
Scarlet tanager (*Piranga olivacea*)

Black-capped chickadee (*Poecile atricapillus*)
Carolina chickadee (*Poecile carolinensis*)
Prothonotary warbler (*Protonotaria citrea*)
Eastern phoebe (*Sayornis phoebe*)
Ovenbird (*Seiurus aurocapillus*)
American redstart (*Setophaga ruticilla*)

F. REGULATED RESOURCES

The presence of wetlands/water bodies was confirmed by features observable to the extent practical, from roadways adjacent to or crossing the site. The presence of wetlands and streams was confirmed by features directly observable or those observable at a distance (e.g., standing water, wetland vegetation, etc.), particularly along the southern edge of the Site along Hawks Bridge Road near the Site's western boundary. These areas appeared to be forested stream corridors with forested/vegetated regulated riparian zones and associated wetlands. In addition, areas internal to active agricultural fields appear to contain both isolated emergent wetlands and emergent wetlands associated with stream corridors and/or agricultural ditches. Figures 32 and 33 present NJDEP wetlands mapping and NWI mapping, respectively. The 2011 field verification efforts confirm the data compiled and referenced in the ESP Application; however, defining the precise extent of wetlands would require field wetland delineation and a Letter of Interpretation (LOI) from the NJDEP to establish actual limits of regulated wetlands.

No Category 1 waters are present on the site; however, NJDEP lists Category 1 waters associated with Major Run approximately 1.5 miles east of the site. Streams present include tributaries of the Salem River unit (FW2-NT/SE1).

Potential impacts to regulated resources associated with development at Site 7-1 include:

- Direct fill of wetland and open water habitats
- Disturbance/removal of vegetation in wetlands, wetland buffers, and riparian zones
- Possible changes to regional groundwater and/or surface water flow patterns
- Possible changes to area vegetation due to cooling tower salt drift

G. CONCLUSIONS

There is a MODERATE to HIGH likelihood that archeological resources could experience direct adverse effects as a result of the construction of the proposed project on Site 7-1. There is a MODERATE to HIGH likelihood that some architectural resources would experience ground vibration and substantial visual effects as a result of the construction and operation of the proposed project on Site 7-1.

The ESP Application concluded that the land use impact due to project construction would be MODERATE, impacts to terrestrial ecology due to project construction would be SMALL, impacts to wetlands would be MODERATE, and impacts to the 9 animal species and 1 plant species with the potential to occur within approximately one mile of the site would be SMALL. The February 2011 site reconnaissance visits confirm these conclusions. Impacts on the additional species observed within the project site (Northern harrier) would also be expected to be SMALL.

7. SITE 7-2

A. HISTORIC AND CULTURAL RESOURCES

I. *Archaeological Resources*

Information concerning previously identified archaeological sites within one mile of the archaeological APE was collected in order to make a preliminary assessment of the potential archaeological sensitivity of Site 7-2 (Figure 4).

No previously identified archaeological sites are located within the boundaries of the project site itself. Two historic period archaeological sites are located approximately one mile east of the project site: Site 28-Cu-184 (the Harris Site) and Site 28-Cu-185 (Beal's Mill Site). No prehistoric period archaeological sites were identified within one mile of the project site.

Four archaeological sites are located in close proximity to the conceptual pipeline corridor. These include three historic-period archaeological sites and one prehistoric archaeological site.

Based on the presence of previously identified historic and prehistoric period archaeological sites in close proximity to the conceptual off-site corridor, there is a moderate to high probability that the APE contains archaeologically sensitive locations. If the development of this site for a new nuclear power plant was determined to be appropriate, additional research into prehistoric and historic land uses of the project site and any modern ground disturbance that may have occurred within the APE would be necessary to confirm the archaeological sensitivity of the project site. If documentary research confirms that portions of the APE are archaeologically sensitive, a field testing program would be necessary to confirm the presence or absence of archaeological materials in the APE. If significant archaeological resources are identified within the APE that would be affected by the proposed project, measures to avoid, minimize, or mitigate any such effects would be devised in consultation with NJHPO.

II. *Architectural Resources*

a) *Previously Recognized Architectural Resources*

Table 9 lists previously identified architectural resources that are located within the 10-mile APE. Figures 9 through 11 show the locations of these resources. Only one previously identified architectural resource was identified within 1,000 feet of the project site and conceptual off-site corridors. This resource is the Nathaniel Chambless House on Alloway Creek Neck Road, which is adjacent to the conceptual pipeline corridor. Due to the close proximity of this resource to the pipeline corridor, there is a moderate to high likelihood that the resource would experience direct adverse effects as a result of the construction of the proposed project, particularly impacts associated with potential ground vibrations during construction activities. There is a moderate to high likelihood that the resource would experience visual effects as a result of the construction and operation of the proposed project on Site 7-2.

Two additional previously identified architectural resources were identified between 1,000 feet and one mile of the project site and conceptual off-site corridors. These resources, listed on Table 9, consist of the Deerfield Presbyterian Church and the Phillip Fries House. There is a low to moderate probability that these resources would be directly affected by the construction

of the proposed project on Site 7-2. However, based on the relative proximity of the resources to the site, there is a moderate to high likelihood that these resources would experience indirect (visual and/or contextual) impacts as a result of the proposed project. If PSE decided to develop Site 7-2 with a nuclear power plant, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Forty-nine previously identified architectural resources were identified within the architectural APE, but more than one mile from the project site and conceptual off-site corridors. These resources, listed in Table 9, include twenty-three houses, twelve historic districts, three farms and farmsteads, two bridges, seven churches, and other miscellaneous resources (i.e. taverns, tollgate houses, streetscapes) as described in Table 9. The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered low to moderate, however visibility would vary from resource to resource depending on its location and the surrounding topography. If PSEG decided to develop Site 7-2 with a nuclear power plant, a visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

b) Potential Architectural Resources

Six potential architectural resources were identified within 1,000 feet of the project site and conceptual off-site corridors. All six resources, listed on Table 10, consist of residential dwellings. Due to the close proximity of these four potential resources to the project site, there is a moderate to high likelihood that some or all of these resources would experience direct adverse effects as a result of the construction of the proposed project on Site 7-2, particularly construction-related ground vibrations affecting historic structures or important architectural elements. Two of these resources appear to be located within the project site footprint. If PSEG decided to develop Site 7-2 with a nuclear power plant, additional analysis of property locations and project design documents would be necessary to confirm the potential for direct effects on each of these resources. There is also a moderate to high likelihood that the resources within this boundary could experience indirect (visual and/or contextual) effects as a result of the proposed project. If Site 7-2 were selected for development, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Four additional potential architectural resources were identified between 1,000 feet and one mile of the project site and conceptual off-site corridors. These resources consist of the Marlboro Baptist Church and adjacent cemetery, and three residential buildings (one two-story farmhouse and barns, a two-story two-bay frame house with log-construction addition, and an early two-bay two-story frame farmhouse with two-story addition).

There is a low to moderate probability that these resources would be directly affected by the construction of the proposed project on Site 7-2. However, based on the relative proximity of the resources to the site, there is a moderate to high likelihood that these resources would experience indirect (visual and/or contextual) impacts as a result of the proposed project. If PSEG decided to develop Site 7-2 with a nuclear power plant, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Seventy-one additional potential architectural resources were identified within the architectural APE but more than one mile from the project site and conceptual off-site corridors. These resources include sixty-one individual properties (including stone and wood-frame houses and barns), three churches, a commercial property, a brick tomb, a tavern (Centerton Inn), Woodland County Day School, a clapboard-clad mill, a former public school, and a potential historic district. The potential historic district is located at the crossroads of Roadstown, Shiloh, and Roadstown Greenwich roads, and consists of several 18th and 19th century residences retaining excellent integrity, including patterned brick and wood-frame clapboard-clad residences.

The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered low to moderate, however visibility would vary from resource to resource depending on its location and the surrounding topography. A visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

B. LAND USE CHARACTERIZATION

The ESP Application describes Site 7-2 as:

- Located in the Southern Zone of the Piedmont Plains Landscape Region;
- Extensively farmed, but with relatively large forest and wetland complexes remaining;
- Containing many wetland areas that have been farmed or otherwise disturbed by human activities; and
- Containing terrestrial species of concern associated primarily with wetland, forest, or grassland habitats.

Field observations conducted in February 2011 generally concurred with the above characterization. Numerous sites within the project site were signed as ‘Preserved Farmland’, a designation offered through the NJ State Agriculture Development Committee identifying land protected for agricultural use, indicating that active farming occurs within the project site. If these properties are subject to a Deed of Conservation Restriction preserving them as Preserved Farmland, a change to the deed or deeds would be required to make the site a viable alternative.

Most of the observable site comprised active farmland with various paved and unpaved roads traversing the area, and evidence of several agricultural drainage ditches within the site was observed. Some residential/agricultural development was present within the site’s boundary, while the periphery of the site generally consisted of fragmented forested or forested wetland habitats, primarily along the western edge of the site’s boundary. Figures 34 through 37 provide representative views of Site 7-2 from accessible vantage points at the time of field verification. Figure 38 provides the locations at which these images were taken.

Figure 39 provides Land Use Cover data from the NJDEP’s Geographic Information Database, which are consistent with the conclusions of the ESP Application and land use characteristics observed in the field. The 2011 field verification efforts confirm the data compiled and referenced in the ESP Application.

Potential impacts to land use associated with development at Site 7-2 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Possible changes to regional groundwater and/or surface water flow patterns

C. THREATENED AND ENDANGERED SPECIES - LISTED SPECIES REQUIREMENTS

The following are brief descriptions of the habitat requirements for each species noted within Table 3:

- Dry sandy and rocky uplands - Chinquapin
- Swampy forested wetlands bordering small streams and meadows, and spring seeps – Swamp-pink
- Open woodlands, sand prairies, meadows, and beaches -- Fowler’s Toad
- Open lands adjacent to forested habitat with suitable cavities for nesting activity or artificial nesting structures – American Kestrel, Red-headed Woodpecker
- Moist woods, wet meadows, dry fields, grasslands – Eastern Box Turtle
- Forested habitat, including moderately fragmented habitats adjacent to development – Cooper’s Hawk
- Open grasslands and freshwater or tidal wetlands with tall emergent vegetation or grasses suitable for ground-nesting – Northern Harrier
- Contiguous forested habitat – Wood Thrush
- Wetlands with adjacent mature forests suitable for supporting tree nesting – Great Blue Heron
- Forested habitat or artificial nest structures suitable for supporting large stick nests adjacent to substantial open water – Bald Eagle

Based on observed habitat, these species have the potential to occur within the project site. Figures 40 and 41 present NJDEP Landscape Project data for habitat suitability for listed species. Figure 42 presents NJDEP listed Natural Resources mapping data for Natural Heritage Sites and Environmentally Sensitive Areas.

Potential impacts to threatened, endangered, or rare species associated with development at Site 7-2 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Noise disturbance during construction and operation

D. THREATENED AND ENDANGERED SPECIES - ADDITIONAL SPECIES OBSERVATIONS

Two foraging Northern Harriers (female) were observed in open fields adjacent to Kings Highway and Haines Neck Road. Available habitat for nesting and foraging Northern Harrier was present within the project site.

E. OTHER SPECIES POTENTIALLY OCCURRING ON THE SITE

In addition to state or federally listed species, the following list of the most likely terrestrial, aquatic, and avian species that could make use of the available habitats of Site 7-2 has been developed based on field observations and available habitat mapping data:

I. Mammalian Species

Opossum (*Didelphis virginiana*)
Eastern cottontail (*Sylvilagus floridanus*)
Meadow vole (*Microtus pennsylvanicus*)
House mouse (*Mus musculus*)
White-footed mouse (*Peromyscus leucopus*)
Norway rat (*Rattus norvegicus*)
Muskrat (*Ondatra zibethicus*)
American beaver (*Castor canadensis*)
Eastern grey squirrel (*Sciurus carolinensis*)
Raccoon (*Procyon lotor*)
Red fox (*Vulpes vulpes*)
Striped skunk (*Mephitis mephitis*)
Long-tailed weasel (*Mustela frenata*)
Coyote (*Canus latrans*)
Whitetail deer (*Odocoileus virginianus*)

II. Herpetofauna

Fowler's toad (*Bufo woodhousii fowleri*)
Eastern gray treefrog (*Hyla versicolor*)
Northern spring peeper (*Pseudacris crucifer*)
Southern leopard frog (*Rana sphenocephala*)
Bullfrog (*Rana catesbeiana*)
Pickerel frog (*Rana palustris*)
Wood frog (*Rana sylvatica*)
Five-lined skink (*Eumeces fasciatus*)
Northern red salamander (*Pseufotriton ruber*)
Spotted salamander (*Ambystoma maculatum*)
Northern dusky salamander (*Desmognathus fuscus*)
Eastern painted turtle (*Chrysemys picta*)
Eastern mud turtle (*Kinosternon subrubrum*)
Common snapping turtle (*Chelydra serpentine*)
Stinkpot turtle (*Sternotherus odoratus*)
Eastern box turtle (*Terrapene carolina*)
Northern black snake (*Coluber constrictor*)
Black rat snake (*Elaphe obsoleta*)
Eastern hognose snake (*Heterodon platyrhinos*)
Coastal plain milk snake (*Lampropeltis triangulum temporalis*)
Eastern kingsnake (*Lampropeltis getulus*)
Eastern garter snake (*Thamnophis sirtalis*)

III. Avian Species

Cattle egret (*Bubulcus ibis*)
Great blue heron (*Ardea herodias*)
Glossy ibis (*Plegadis falcinellus*)
Wood duck (*Aix sponsa*)
Green-winged teal (*Anas crecca*)
Snow goose (*Chen caerulescens*)
Canada goose (*Branta canadensis*)
Cooper's hawk (*Accipiter cooperii*)
Northern goshawk (*Accipiter gentilis*)
Sharp-shinned hawk (*Accipiter striatus*)
Red-tailed hawk (*Buteo jamaicensis*)
Red-shouldered Hawk (*Buteo lineatus*)
Broad-winged hawk (*Buteo platypterus*)
Turkey vulture (*Cathartes aura*)
Black vulture (*Coragyps atratus*)
Peregrine falcon (*Falco peregrinus*)
American kestrel (*Falco sparverius*)
Northern bobwhite (*Colinus virginianus*)
Wild turkey (*Meleagris gallopavo*)
Ring-necked pheasant (*Phasianus colchicus*)
Wilson's snipe (*Gallinago delicata*)
Killdeer (*Charadrius vociferous*)
Herring gull (*Larus argentatus*)
Ring-billed gull (*Larus densis*)
American woodcock (*Scolopax minor*)
Rock dove (*Columba livia*)
Mourning dove (*Zenaida macroura*)
Great horned owl (*Bubo virginianus*)
Eastern screech-owl (*Otus asio*)
Barn owl (*Tyto alba*)
Chuck-Will's-widow (*Caprimulgus carolinensis*)
Ruby-throated hummingbird (*Archilochus colubris*)
Chimney swift (*Chaetura pelagic*)
Northern flicker (*Colaptes auratus*)
Pileated woodpecker (*Dryocopus pileatus*)
Red-bellied woodpecker (*Melanerpes carolinus*)
Red-winged blackbird (*Agelaius phoeniceus*)
Grasshopper Sparrow (*Ammodramus savannarum*)
American tree sparrow (*Spizella arborea*)
Swamp sparrow (*Melospiza georgiana*)
Chipping sparrow (*Spizella passerine*)
Field sparrow (*Spizella pusilla*)
White-throated sparrow (*Zonotrichia albicollis*)
American pipit (*Anthus rubescens*)
Tufted titmouse (*Baeolophus bicolor*)
Baltimore oriole (*Icterus galbula*)
Purple martin (*Progne subis*)
Cedar waxwing (*Bombycilla cedrorum*)
Northern cardinal (*Cardinalis cardinalis*)

American goldfinch (*Carduelis tristis*)
 House finch (*Carpodacus mexicanus*)
 Purple finch (*Carpodacus purpureus*)
 Carolina wren (*Thryothorus ludovicianus*)
 House wren (*Troglodytes aedon*)
 Winter wren (*Troglodytes troglodytes*)
 Eastern towhee (*Pipilo erythrophthalmus*)
 Brown creeper (*Certhia americana*)
 Eastern wood pewee (*Contopus virens*)
 American crow (*Corvus brachyrhynchos*)
 Common grackle (*Quiscalus quiscula*)
 Blue jay (*Cyanocitta cristata*)
 Yellow-throated vireo (*Vireo flavifrons*)
 White-eyed vireo (*Vireo griseus*)
 Yellow-rumped warbler (*Dendroica coronate*)
 Palm warbler (*Dendroica palmarum*)
 Yellow warbler (*Dendroica petechia*)
 Pine warbler (*Dendroica pinus*)
 Prothonotary warbler (*Protonotaria citrea*)
 Bobolink (*Dolichonyx oryzivorus*)
 Brown thrasher (*Toxostoma rufum*)
 Gray catbird (*Dumetella carolinensis*)
 Eastern kingbird (*Tyrannus tyrannus*)
 Acadian flycatcher (*Empidonax virens*)
 Common Yellowthroat (*Geothlypis triachas*)
 American robin (*Turdus migratorius*)
 Worm-eating warbler (*Helmitheros vermivorus*)
 Barn swallow (*Hirundo rustica*)
 Cliff swallow (*Petrochelidon pyrrhonota*)
 Bank swallow (*Riparia riparia*)
 Tree swallow (*Tachycineta bicolor*)
 Northern rough-winged swallow (*Stelgidopteryx serripennis*)
 Wood thrush (*Hylocichla mustelina*)
 Yellow-breasted chat (*Icteria virens*)
 Dark-eyed junco (*Junco hyemalis*)
 Tree swallow (*Tachycineta bicolor*)
 Song sparrow (*Melospiza melodia*)
 Northern mockingbird (*Mimus polyglottos*)
 Eastern meadowlark (*Sturnella magna*)
 Brown-headed cowbird (*Molothrus ater*)
 Kentucky warbler (*Oporornis formosus*)
 House sparrow (*Passer domesticus*)
 Savannah sparrow (*Passerculus sandwichensis*)
 Eastern bluebird (*Sialia sialis*)
 Indigo bunting (*Passerina cyanea*)
 Eastern phoebe (*Sayornis phoebe*)
 Yellow-bellied sapsucker (*Sphyrapicus varius*)
 Scarlet tanager (*Piranga olivacea*)
 Black-capped chickadee (*Poecile atricapillus*)

Carolina chickadee (*Poecile carolinensis*)
Prothonotary warbler (*Protonotaria citrea*)
Ovenbird (*Seiurus aurocapillus*)
American redstart (*Setophaga ruticilla*)

F. REGULATED RESOURCES

The presence of wetlands/water bodies was confirmed by features observable to the extent practical, from roadways adjacent to or crossing the site. The presence of wetlands and streams was confirmed by features directly observable or those observable at a distance (e.g., standing water, wetland vegetation, etc.), and wetlands and streams were verified at road crossings along Thomas Road on the Site's western boundary. Figures 43 and 44 present NJDEP wetlands mapping and NWI mapping, respectively. The 2011 field verification efforts confirm the data compiled and referenced in the ESP Application.

No NJDEP Category 1 streams have been identified within the project boundary, and unclassified tributaries to Sarah Run are located near the site's western boundary, which may extend into the site by way of agricultural drainage ditches and/or forested wetlands.

Potential impacts to regulated resources associated with development at Site 7-2 include:

- Direct fill of wetland and open water habitats
- Disturbance/removal of vegetation in wetlands, wetland buffers, and riparian zones
- Possible changes to regional groundwater and/or surface water flow patterns
- Possible changes to wetland vegetation as a result of cooling tower salt drift

G. CONCLUSIONS

There is a MODERATE to HIGH likelihood that archeological resources could experience direct adverse effects as a result of the construction of the proposed project on Site 7-2. There is a MODERATE to HIGH likelihood that some architectural resources would experience ground vibration and substantial visual effects as a result of the construction and operation of the proposed project on Site 7-2.

The ESP Application concluded that the land use impact due to project construction would be MODERATE, impacts to terrestrial ecology due to project construction would be SMALL, impacts to wetlands would be MODERATE, and impacts to the 8 animal species and 2 plant species with the potential to occur within approximately one mile of the site would be SMALL. The February 2011 site reconnaissance visits confirm these conclusions. Impacts on the additional species observed within the project area (Nother harrier) would also be expected to be SMALL.

8. SITE 7-3

A. HISTORIC AND CULTURAL RESOURCES

I. *Archaeological Resources*

Information concerning previously identified archaeological sites within one mile of the project site was collected in order to make a preliminary assessment of the potential archaeological sensitivity of Site 7-3.

No previously identified archaeological sites are located within the project site boundaries for Site 7-3 (Figure 5). Furthermore, no previously identified archaeological sites are located within one mile of the project site. However, two archaeological sites are located in close proximity to the conceptual transmission corridor.

Based on the presence of two previously identified archaeological sites in the immediate proximity of the conceptual transmission corridor for Site 7-3, there is a moderate to high probability that the APE contains archaeologically sensitive locations. If the development of this site for a new nuclear power plant was determined to be appropriate, additional research into prehistoric and historic land uses of the project site and any modern ground disturbance that may have occurred within the APE would be necessary to confirm the archaeological sensitivity of the project site. If documentary research confirms that portions of the APE are archaeologically sensitive, a field testing program would be necessary to confirm the presence or absence of archaeological materials in the APE. If significant archaeological resources are identified within the APE that would be affected by the proposed project, measures to avoid, minimize, or mitigate any such effects would be devised in consultation with NJHPO.

II. *Architectural Resources*

a) *Previously Recognized Architectural Resources*

Table 11 lists previously identified architectural resources that are located within the 10-mile APE. Figures 9 and 10 show the locations of these resources. Four previously identified architectural resources were identified within 1,000 feet of the project site and conceptual off-site corridors. These resources consist of Bridgeton Historic District, Greenwich Historic District, Bethel A.M.E. Church, and the Thomas Maskel House. Due to the close proximity of these three resources to the project site, there is a moderate to high likelihood that some or all of these resources would experience direct effects as a result of the construction of the proposed project on Site 7-3, primarily through potential construction-related ground vibrations.

Nine additional previously identified architectural resources were identified between 1,000 feet and one mile of the project site and conceptual off-site corridors. These resources, listed on Table 11, consist of the Deerfield Pike Tollgate House, General Giles House, Old Broad Street Presbyterian Church and Cemetery, East Commerce Street Historic District, Jeremiah Buck House, Samuel Seeley House, Potter's Tavern, Bethel African Methodist Episcopal Church and 9 Manheim Avenue. There is a low to moderate probability that these resources would be directly affected by the construction of the proposed project on Site 7-3; however, based on the relative proximity of the resources to the site, there is a moderate to high likelihood that these resources would experience indirect (visual and/or contextual) impacts as a result of the

proposed project. If PSEG decided to develop Site 7-3 with a nuclear power plant, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Twenty-one previously identified architectural resources were identified within the architectural APE, but more than one mile from the project site and conceptual off-site corridors. These resources, listed in Table 11, include two historic districts, two bridges, two farms and farmsteads, ten houses, and other miscellaneous resources (i.e. church, Ship John Shoal Lighthouse), as described in Table 11. The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered low to moderate, however visibility would vary from resource to resource depending on its location and the surrounding topography. A visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

b) Potential Architectural Resources

Thirteen potential architectural resources were identified within 1,000 feet of the project site and conceptual off-site corridors. All six resources, listed on Table 12, consist of residential dwellings. Due to the close proximity of these four potential resources to the project site, there is a moderate to high likelihood that some or all of these resources would experience direct effects as a result of the construction of the proposed project on Site 7-3, primarily through potential construction activities such as ground vibrations. No potential historic resources appear to be within the footprint of the project site itself. If PSEG decided to develop Site 7-3 with a nuclear power plant, additional analysis of property locations and project design documents would be necessary to confirm the potential for direct effects on each of these resources. There is also a moderate to high likelihood that the resources within this boundary could experience indirect (visual and/or contextual) effects as a result of the proposed project. If Site 7-3 were selected for development, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Three additional potential architectural resources were identified between 1,000 feet and one mile of the project site and conceptual off-site corridors. These resources consist of two residential buildings (a five-bay frame house with bracketed porch and an early two-story brick house with some alterations.) and a former public school, ca. 1871, Italianate-style brick building.

There is a low to moderate probability that these resources would be directly affected by the construction of the proposed project on Site 7-3. However, based on the relative proximity of the resources to the site, there is a moderate to high likelihood that these resources would experience indirect (visual and/or contextual) impacts as a result of the proposed project. If PSEG decided to develop Site 7-3 with a nuclear power plant, additional analysis of the visibility of the proposed project from each of the potential resources would be necessary to determine the potential effects of the proposed project.

Thirty-four additional potential architectural resources were identified within the architectural APE but more than one mile from the project site and conceptual off-site corridors. These resources include twenty-six individual properties (including stone and wood-frame houses and

barns), three churches, a commercial property, a brick tomb, Vogel Farm and Watertower, Woodland County Dayschool, and a potential historic district. The potential historic district is located at the crossroads of Roadstown, Shiloh, and Roadstown Greenwich roads, and consists of several 18th and 19th century residences retaining excellent integrity, including patterned brick and wood-frame clapboard-clad residences.

The likelihood of these resources experiencing direct impacts as a result of the construction or operation of the proposed project is low. Overall, the likelihood of the resources experiencing indirect (visual and/or contextual) impacts is considered low to moderate, however visibility would vary from resource to resource depending on its location and the surrounding topography. A visual impacts assessment based on field survey and/or a predictive computer model would be required to determine the potential for visual impacts.

B. LAND USE CHARACTERIZATION

The ESP Application describes Site 7-3 as:

- Located in the Shoreline Zone of the Delaware Bay Landscape Region;
- Containing critical habitats that include beaches, dunes, and tidal and freshwater habitats; and,
- Containing rich farmlands are found inland from the Delaware Bay shoreline.

Site 7-3 includes portions of PSEG's Bayside Tract, a natural resources conservation and preservation area with public access areas.

Field observations conducted in February 2011 generally concurred with the above characterization. Additionally, valuable wildlife habitat (including wetlands, forested habitat, and managed grasslands) was present in PSEG's Bayside Tract, which is a large conservation area preserved under the auspices of PSEG's Estuary Enhancement Program. Numerous sites within the project site were signed as 'Preserved Farmland', a designation offered through the NJ State Agriculture Development Committee identifying land protected for agricultural use, indicating that active farming occurs within the project site. If these properties are subject to a Deed of Conservation Restriction preserving them as Preserved Farmland, a change to the deed or deeds would be required to make the site a viable alternative. The Bayside Tract is subject to a Deed of Conservation Restriction.

Most of the observable site comprised active farmland with various paved and unpaved roads traversing the area, and evidence of several agricultural drainage ditches within the site was observed. Some residential/agricultural development was present within the site's boundary, while the periphery of the site generally consisted of fragmented forested or forested wetland habitats. Figures 45 through 48 provide representative views of Site 7-3 from accessible vantage points at the time of field verification. Figure 49 indicates the locations at which these images were taken.

Figure 50 provides Land Use Cover data from the NJDEP's Geographic Information Database, which are consistent with the conclusions of the ESP Application and land use characteristics observed in the field. The 2011 field verification confirms the data compiled and referenced in the ESP Application.

Potential impacts to land use associated with development at Site 7-3 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Possible changes to regional groundwater and/or surface water flow patterns

C. THREATENED AND ENDANGERED SPECIES - LISTED SPECIES REQUIREMENTS

The following are brief descriptions of the habitat requirements for each species noted within Table 4:

- Open wetlands with suitable host plants (blackberry and other wildflowers for adults, buckwheat family for larvae (including *Rumex* species) -- Bronze Copper
- Main stems of large rivers, allowing migration between freshwater and mesohaline river reaches -- Shortnose Sturgeon
- Grassland, oak woodland, sand, and any type of riparian zone, including swamps, canals and streams – Eastern King Snake
- Brackish water coastal marshes with sandy or bare uplands suitable for nesting -- Northern Diamondback Terrapin
- Extensive marsh habitat, including *Spartina* marshes – Black Rail
- Open woodlands, sand prairies, meadows, and beaches -- Fowler's Toad
- Open lands adjacent to forested habitat with suitable cavities for nesting activity or artificial nesting structures – American Kestrel, Red-headed Woodpecker
- Moist woods, wet meadows, dry fields, grasslands – Eastern Box Turtle
- Forested habitat, including moderately fragmented habitats adjacent to development – Cooper's Hawk
- Open grasslands and freshwater or tidal wetlands with tall emergent vegetation or grasses suitable for ground-nesting – Northern Harrier
- Wetlands with adjacent mature forests suitable for supporting tree nesting – Great Blue Heron, Red-shouldered Hawk
- Forested habitat or artificial nest structures suitable for supporting large stick nests adjacent to substantial open water – Bald Eagle, Osprey

Based on observed habitat, these species have the potential to occur within the project site. Figures 51 and 52 present NJDEP Landscape Project data for habitat suitability for listed species. Figure 53 presents NJDEP listed Natural Resources mapping data for Natural Heritage Sites and Environmentally Sensitive Areas.

Potential impacts to threatened, endangered, or rare species associated with development at Site 7-3 include:

- Direct loss of agricultural field, forest, grassland, and wetland habitats
- Possible habitat fragmentation, especially associated with conceptual off-site corridors
- Noise disturbance during construction and operation

D. THREATENED AND ENDANGERED SPECIES - ADDITIONAL SPECIES OBSERVATIONS

No additional threatened or endangered species were observed within Site 7-3 during the February 2011 observations; however, four Northern Harriers (two male, two female) were observed foraging in open habitat in various parts of the project site.

E. OTHER SPECIES POTENTIALLY OCCURRING ON THE SITE

In addition to state or federally listed species, the following list of the most likely terrestrial, aquatic, and avian species that could make use of the available habitats of Site 7-3 has been developed based on field observations and available habitat mapping data:

I. Mammalian Species

Opossum (*Didelphis virginiana*)
Eastern cottontail (*Sylvilagus floridanus*)
Meadow vole (*Microtus pennsylvanicus*)
House mouse (*Mus musculus*)
White-footed mouse (*Peromyscus leucopus*)
Norway rat (*Rattus norvegicus*)
Muskrat (*Ondatra zibethicus*)
American beaver (*Castor canadensis*)
Eastern grey squirrel (*Sciurus carolinensis*)
River otter (*Lontra canadensis*)
Raccoon (*Procyon lotor*)
Red fox (*Vulpes vulpes*)
Striped skunk (*Mephitis mephitis*)
Long-tailed weasel (*Mustela frenata*)
Coyote (*Canis latrans*)
Whitetail deer (*Odocoileus virginianus*)

II. Herpetofauna

Fowler's toad (*Bufo woodhousii fowleri*)
Eastern gray treefrog (*Hyla versicolor*)
Northern spring peeper (*Pseudacris crucifer*)
Southern leopard frog (*Rana sphenoccephala*)
Bullfrog (*Rana catesbeiana*)
Pickerel frog (*Rana palustris*)
Wood frog (*Rana sylvatica*)
Five-lined skink (*Eumeces fasciatus*)
Northern red salamander (*Pseufotriton ruber*)
Spotted salamander (*Ambystoma maculatum*)
Northern dusky salamander (*Desmognathus fuscus*)
Eastern painted turtle (*Chrysemys picta*)
Eastern mud turtle (*Kinosternon subrubrum*)
Common snapping turtle (*Chelydra serpentina*)
Diamond-backed terrapin (*Malaclemys terrapin*)
Stinkpot turtle (*Sternotherus odoratus*)
Eastern box turtle (*Terrapene carolina*)
Northern black snake (*Coluber constrictor*)

Black rat snake (*Elaphe obsoleta*)
Eastern hognose snake (*Heterodon platyrhinos*)
Northern water snake (*Natrix sipedon*)
Coastal plain milk snake (*Lampropeltis triangulum temporalis*)
Eastern kingsnake (*Lampropeltis getulus*)
Eastern garter snake (*Thamnophis sirtalis*)

III. Avian Species

Pied-billed grebe (*Podilymbus podiceps*)
Double-crested cormorant (*Phalacrocorax auritus*)
Great egret (*Ardea alba*)
Green heron (*Butorides virescens*)
Cattle egret (*Bubulcus ibis*)
Great blue heron (*Ardea herodias*)
Little blue heron (*Egretta caerulea*)
Snowy egret (*Egretta thula*)
Black-crowned night heron (*Nycticorax nycticorax*)
Glossy ibis (*Plegadis falcinellus*)
Wood duck (*Aix sponsa*)
Green-winged teal (*Anas crecca*)
Northern pintail (*Anas acuta*)
American wigeon (*Anas americana*)
Northern shoveler (*Anas clypeata*)
Mallard (*Anas platyrhynchos*)
American black duck (*Anas rubripes*)
Gadwall (*Anas strepera*)
Bufflehead (*Bucephala albeola*)
Hooded merganser (*Lophodytes cucullatus*)
Common merganser (*Mergus merganser*)
Snow goose (*Chen caerulescens*)
Canada goose (*Branta canadensis*)
Cooper's hawk (*Accipiter cooperii*)
Northern goshawk (*Accipiter gentilis*)
Sharp-shinned hawk (*Accipiter striatus*)
Red-tailed hawk (*Buteo jamaicensis*)
Red-shouldered Hawk (*Buteo lineatus*)
Broad-winged hawk (*Buteo platypterus*)
Northern harrier (*Circus cyaneus*)
Bald eagle (*Haliaeetus leucocephalus*)
Osprey (*Pandion haliaetus*)
Turkey vulture (*Cathartes aura*)
Black vulture (*Coragyps atratus*)
Peregrine falcon (*Falco peregrinus*)
American kestrel (*Falco sparverius*)
Northern bobwhite (*Colinus virginianus*)
Wild turkey (*Meleagris gallopavo*)
Ring-necked pheasant (*Phasianus colchicus*)
Virginia rail (*Rallus limicola*)

Clapper rail (*Rallus longirostris*)
Dunlin (*Calidris alpine*)
Wilson's snipe (*Gallinago delicata*)
American woodcock (*Scolopax minor*)
Willet (*Catoptrophorus semipalatus*)
Killdeer (*Charadrius vociferous*)
Herring gull (*Larus argentatus*)
Ring-billed gull (*Larus densis*)
Laughing gull (*Larus atricilla*)
Great black-backed gull (*Larus marinus*)
Common tern (*Sterna hirundo*)
Rock dove (*Columba livia*)
Mourning dove (*Zenaida macroura*)
Great horned owl (*Bubo virginianus*)
Eastern screech-owl (*Otus asio*)
Barn owl (*Tyto alba*)
Chuck-Will's-widow (*Caprimulgus carolinensis*)
Ruby-throated hummingbird (*Archilochus colubris*)
Chimney swift (*Chaetura pelagic*)
Northern flicker (*Colaptes auratus*)
Pileated woodpecker (*Dryocopus pileatus*)
Red-bellied woodpecker (*Melanerpes carolinus*)
Red-winged blackbird (*Agelaius phoeniceus*)
Grasshopper Sparrow (*Ammodramus savannarum*)
American tree sparrow (*Spizella arborea*)
Swamp sparrow (*Melospiza georgiana*)
Chipping sparrow (*Spizella passerine*)
Field sparrow (*Spizella pusilla*)
White-throated sparrow (*Zonotrichia albicollis*)
American pipit (*Anthus rubescens*)
Tufted titmouse (*Baeolophus bicolor*)
Baltimore oriole (*Icterus galbula*)
Purple martin (*Progne subis*)
Cedar waxwing (*Bombycilla cedrorum*)
Northern cardinal (*Cardinalis cardinalis*)
American goldfinch (*Carduelis tristis*)
House finch (*Carpodacus mexicanus*)
Purple finch (*Carpodacus purpureus*)
Carolina wren (*Thryothorus ludovicianus*)
House wren (*Troglodytes aedon*)
Winter wren (*Troglodytes troglodytes*)
Eastern towhee (*Pipilo erythrophthalmus*)
Brown creeper (*Certhia americana*)
Eastern wood pewee (*Contopus virens*)
American crow (*Corvus brachyrhynchos*)
Common grackle (*Quiscalus quiscula*)
Blue jay (*Cyanocitta cristata*)
Yellow-throated vireo (*Vireo flavifrons*)
White-eyed vireo (*Vireo griseus*)

Yellow-rumped warbler (*Dendroica coronate*)
 Palm warbler (*Dendroica palmarum*)
 Yellow warbler (*Dendroica petechia*)
 Pine warbler (*Dendroica pinus*)
 Prothonotary warbler (*Protonotaria citrea*)
 Bobolink (*Dolichonyx oryzivorus*)
 Brown thrasher (*Toxostoma rufum*)
 Gray catbird (*Dumetella carolinensis*)
 Eastern kingbird (*Tyrannus tyrannus*)
 Acadian flycatcher (*Empidonax virescens*)
 Common Yellowthroat (*Geothlypis triachas*)
 American robin (*Turdus migratorius*)
 Worm-eating warbler (*Helmitheros vermivorus*)
 Barn swallow (*Hirundo rustica*)
 Cliff swallow (*Petrochelidon pyrrhonota*)
 Bank swallow (*Riparia riparia*)
 Tree swallow (*Tachycineta bicolor*)
 Northern rough-winged swallow (*Stelgidopteryx serripennis*)
 Wood thrush (*Hylocichla mustelina*)
 Yellow-breasted chat (*Icteria virens*)
 Dark-eyed junco (*Junco hyemalis*)
 Tree swallow (*Tachycineta bicolor*)
 Song sparrow (*Melospiza melodia*)
 Northern mockingbird (*Mimus polyglottos*)
 Eastern meadowlark (*Sturnella magna*)
 Brown-headed cowbird (*Molothrus ater*)
 Kentucky warbler (*Oporornis formosus*)
 House sparrow (*Passer domesticus*)
 Savannah sparrow (*Passerculus sandwichensis*)
 Eastern bluebird (*Sialia sialis*)
 Indigo bunting (*Passerina cyanea*)
 Eastern phoebe (*Sayornis phoebe*)
 Yellow-bellied sapsucker (*Sphyrapicus varius*)
 Scarlet tanager (*Piranga olivacea*)
 Black-capped chickadee (*Poecile atricapillus*)
 Carolina chickadee (*Poecile carolinensis*)
 Prothonotary warbler (*Protonotaria citrea*)
 Ovenbird (*Seiurus aurocapillus*)
 American redstart (*Setophaga ruticilla*)

A number of the bird species potentially occurring on Site 7-3 are associated with nearby salt-marshes; however, the close proximity of Site 7-3 to these marshes increases the likelihood of impacts to marsh fauna from the construction and operation of a new plant, thereby warranting their inclusion of affected resources.

F. REGULATED RESOURCES

The presence of wetlands/water bodies was confirmed by features observable to the extent practical, from roadways adjacent to or crossing the site. The presence of tidal wetlands and

streams was confirmed by features directly observable or those observable at a distance (e.g., standing water, wetland vegetation, etc.), and on publicly accessible areas of PSEG's Bayside Tract site. Indicators of freshwater wetlands were observed along the northeastern site boundary. Figures 54 and 55 present NJDEP wetlands mapping and NWI mapping, respectively. The 2011 field verification efforts confirm the data compiled and referenced in the ESP Application.

No NJDEP Category 1 waters occur within the site, and no identified streams are present in NJDEP GIS mapping data.

Potential impacts to regulated resources associated with development at Site 7-3 include:

- Direct fill of wetland and open water habitats
- Disturbance/removal of vegetation in wetlands and wetland buffers
- Possible changes to regional groundwater and/or surface water flow patterns
- Possible changes to area wetland vegetation as a result of cooling tower salt drift

G. CONCLUSIONS

There is a MODERATE to HIGH likelihood that archeological resources could experience direct adverse effects as a result of the construction of the proposed project on Site 7-3. There is a MODERATE to HIGH likelihood that some architectural resources would experience ground vibration and substantial visual effects as a result of the construction and operation of the proposed project on Site 7-3.

The ESP Application concluded that the land use impact due to project construction would be MODERATE, impacts to terrestrial ecology due to project construction would be SMALL, impacts to wetlands would be MODERATE, and impacts to the 1 insect species, 2 aquatic species, 10 terrestrial wildlife species, and 1 plant species with the potential to occur within approximately one mile of the site would be SMALL. The February 2011 site reconnaissance visits confirm these conclusions. Impacts on the additional species (Northern harrier) would also be expected to be SMALL.

D. REFERENCES

- New Jersey Department of Environmental Protection (NJDEP). 2011. Bureau of Geographic Information Systems data for Land Use Classification, Landscape Project, Wetlands, Environmentally Sensitive Areas, and Natural Heritage Database, available for electronic download at <http://www.state.nj.us/dep/gis/stateshp.html>. Last accessed February 23, 2011.
- New Jersey Natural Heritage Program (NJNHP). 2009a. Letter to Michael Clayton, Environmental Feasibility Study – Franklin Township, October 26, 2009.
- NJNHP. 2009b. Letter to Michael Clayton, Environmental Feasibility Study – Mannington Township, October 26, 2009.
- NJNHP. 2009c. Letter to Michael Clayton, Environmental Feasibility Study – Alloway Township, October 26, 2009.
- NJNHP. 2009d. Letter to Michael Clayton, Environmental Feasibility Study – Greenwich Township, October 7, 2009.
- Schrabisch, M. 1917. *Archaeology of Warren and Hudson Counties*, MacCrellish & Quigley Co., Trenton, 1917. Library of Congress QE141 .A19 no.18

E. TABLES

Table 1 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 4-1 (Page 1 of 2)

Common Name	Scientific Name	State or Regional Status - Rank	Federal Status	With potential to occur in the Site 4-1 Area	Observed in the Site 4-1 Area (Feb 2011)
Plants					
Bush's Sedge	<i>Carex bushii</i>	E, LP, HL - S1		x	
Birds					
Bobolink	<i>Dolichonyx oryzivorus</i>	T/SC - S2B, S3N		x	
Eastern Meadowlark	<i>Sturnella magna</i>	SC/SC - S3B, S3N		x	
Great Blue Heron	<i>Ardea herodias</i>	SC/S - S3B, S4N		x	x
Red-shouldered Hawk	<i>Buteo lineatus</i>	E/T - S1B, S2N		x	
Savannah Sparrow	<i>Passerculus sandwichensis</i>	T/T - S2B, S4N		x	x
Veery	<i>Catharus fuscescens</i>	S/S - S3B		x	
Vesper Sparrow	<i>Pooecetes gramineus</i>	E - S1B, S2N		x	
Wood Thrush	<i>Hylocichla mustelina</i>	SC/S - S3B		x	
Northern Harrier*	<i>Circus cyaneus</i>	E/U - S1B, S3N		x	x
American Kestrel*	<i>Falco sparverius</i>	SC - S3B, S3N		x	x
Amphibians					
Long-tailed Salamander	<i>Eurycea longicauda longicauda</i>	T - S2		x	
Northern Spring Salamander	<i>Gyrinophilus p. porphyriticus</i>	D - S3		x	

Table 1 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 4-1 (Page 2 of 2)

Common Name	Scientific Name	State or Regional Status - Rank	Federal Status	With potential to occur in the Site 4-1 Area	Observed in the Site 4-1 Area (Feb 2011)
Reptiles					
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	SC - S3		x	
Wood Turtle	<i>Glyptemys insculpta</i>	T - S2		x	
Mammals					
Bobcat	<i>Lynx rufus</i>	E - S1		x	
Notes:					
S1 = Critically Imperiled (typically 5 or fewer occurrences)					
S2 = Imperiled (typically 6 to 20 occurrences)					
S3 = Vulnerable (typically 21 to 100 occurrences)					
S4 = Apparently Secure (typically more than 100 occurrences)					
S5 = Secure					
S#S# = Rank Range to indicate the range of uncertainty about exact status					
x/x = Dual status: State breeding population/State migratory or winter population					
B = Breeding population					
N = Nonbreeding population					
S = Stable species					
D = Declining species					
E = Endangered species					
LP = Listed by Pinelands Commission as endangered or threatened within their jurisdiction					
HL = Protected by Highlands Water Protection and Planning Act within Highlands Preservation Area					
T = Threatened species					
SC = Special Concern					
LE = Formally listed as Endangered					
LT = Formally listed as Threatened					
U = Undetermined status (not enough information available)					
DE=Delisted					
<p>Sources: Natural Heritage Database information (NJNHP 2009a) supplemented with field observations conducted on February 11, 2011. Species names marked with a single asterisk indicate species observed within the site that were not noted in Natural Heritage Database information.</p>					

Table 2 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 7-1 (Page 1 of 2)

Common Name	Scientific Name	State or Regional Status - Rank	Federal Status	With potential to occur in the Site 7-1 Area	Observed in the Site 7-1 Area (Feb 2011)
Plants					
Leatherwood	<i>Dirca palustris</i>	HL - S2		x	
Birds					
Bald Eagle	<i>Haliaeetus leucocephalus</i>	E - S1B, S1N	DE	x	
Bobolink	<i>Dolichonyx oryzivorus</i>	T/SC - S2B, S3N		x	
Cooper's Hawk**	<i>Accipiter cooperii</i>	T/S - S2B, S4N		x	
Great Blue Heron	<i>Ardea herodias</i>	SC/S - S3B, S4N		x	
Osprey	<i>Pandion haliaetus</i>	T/T - S2B		x	
Upland Sandpiper	<i>Bartramia longicauda</i>	E - S1B, S1N		x	
Vesper Sparrow	<i>Pooecetes gramineus</i>	E - S1B, S2N		x	
Northern Harrier*	<i>Circus cyaneus</i>	E/U - S1B, S3N		x	x
Reptiles					
Bog Turtle	<i>Glyptemys muhlenbergii</i>	E - S1	T	x	
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	SC - S3		x	

Table 2 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 7-1 (Page 2 of 2)

Common Name	Scientific Name	State or Regional Status - Rank	Federal Status	With potential to occur in the Site 7-1 Area	Observed in the Site 7-1 Area (Feb 2011)
Notes:					
S1 = Critically Imperiled (typically 5 or fewer occurrences)					
S2 = Imperiled (typically 6 to 20 occurrences)					
S3 = Vulnerable (typically 21 to 100 occurrences)					
S4 = Apparently Secure (typically more than 100 occurrences)					
S5 = Secure					
S#S# = Rank Range to indicate the range of uncertainty about exact status					
x/x = Dual status: State breeding population/State migratory or winter population					
B = Breeding population					
N = Nonbreeding population					
S = Stable species					
D = Declining species					
E = Endangered species					
LP = Listed by Pinelands Commission as endangered or threatened within their jurisdiction					
HL = Protected by Highlands Water Protection and Planning Act within Highlands Preservation Area					
T = Threatened species					
SC = Special Concern					
LE = Formally listed as Endangered					
LT = Formally listed as Threatened					
U = Undetermined status (not enough information available)					
DE=Delisted					
** = Cooper's Hawk has been proposed for delisting in NJ from Threatened Species to Special Concern.					
Sources: Natural Heritage Database information (NJNHP 2009b) supplemented with field observations conducted on February 9, 2011. Species names marked with a single asterisk indicate species observed within the site that were not noted in Natural Heritage Database information.					

Table 3 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 7-2 (Page 1 of 2)

Common Name	Scientific Name	State or Regional Status - Rank	Federal Status	With potential to occur in the Site 7-2 Area	Observed in the Site 7-2 Area (Feb 2011)
Plants					
Chinquapin	<i>Castanea pumila</i>	E, LP, HL - S1		x	
Swamp-pink	<i>Helonias bullata</i>	E, LP, HL - S3	T	x	
Birds					
American Kestrel	<i>Falco sparverius</i>	SC - S3B, S3N		x	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	E - S1B, S1N	DE	x	
Cooper's Hawk**	<i>Accipiter cooperii</i>	T/S - S2B, S4N		x	
Great Blue Heron	<i>Ardea herodias</i>	SC/S - S3B, S4N		x	
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	T/T - S2B, S2N		x	
Wood Thrush	<i>Hylocichla mustelina</i>	SC/S - S3B		x	
Northern Harrier*	<i>Circus cyaneus</i>	E/U - S1B, S3N		x	x
Amphibians					
Fowler's Toad	<i>Bufo fowleri</i>	SC - S3		x	
Reptiles					
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	SC - S3		x	

Table 3 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 7-2 (Page 2 of 2)

Notes:
S1 = Critically Imperiled (typically 5 or fewer occurrences)
S2 = Imperiled (typically 6 to 20 occurrences)
S3 = Vulnerable (typically 21 to 100 occurrences)
S4 = Apparently Secure (typically more than 100 occurrences)
S5 = Secure
S#S# = Rank Range to indicate the range of uncertainty about exact status
x/x = Dual status: State breeding population/State migratory or winter population
B = Breeding population
N = Nonbreeding population
S = Stable species
D = Declining species
E = Endangered species
LP = Listed by Pinelands Commission as endangered or threatened within their jurisdiction
HL = Protected by Highlands Water Protection and Planning Act within Highlands Preservation Area
T = Threatened species
SC = Special Concern
LE = Formally listed as Endangered
LT = Formally listed as Threatened
U = Undetermined status (not enough information available)
DE=Delisted
** = Cooper's Hawk has been proposed for delisting in NJ from Threatened Species to Special Concern.
Sources: Natural Heritage Database information (NJNHP 2009 c) supplemented with field observations conducted on February 9, 2011. Species names marked with a single asterisk indicate species observed within the site that were not noted in Natural Heritage Database information.

Table 4 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 7-3 (Page 1 of 2)

Common Name	Scientific Name	State or Regional Status - Rank	Federal Status	With potential to occur in the Site 7-3 Area	Observed in the Site 7-3 Area (Feb 2011)
Insects					
Bronze Copper	<i>Lycaena hyllus</i>	E - S1		x	
Fish					
Shortnose Sturgeon	<i>Acipenser brevirostrum</i>	E - S1	E	x	
Birds					
Bald Eagle	<i>Haliaeetus leucocephalus</i>	E - S1B, S1N	DE	x	
Black Rail**	<i>Laterallus jamaicensis</i>	T/T - S2B, S2N		x	
Great Blue Heron	<i>Ardea herodias</i>	SC/S - S3B, S4N		x	
Northern Harrier	<i>Circus cyaneus</i>	E/U - S1B, S3N		x	x
Osprey	<i>Pandion haliaetus</i>	T/T - S2B		x	
Red-shouldered Hawk	<i>Buteo lineatus</i>	E/T - S1B, S2N		x	
Wood Thrush	<i>Hylocichla mustelina</i>	SC/S - S3B		x	
Amphibians					
Fowler's Toad	<i>Bufo fowleri</i>	SC - S3		x	
Reptiles					
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	SC - S3		x	
Eastern King Snake	<i>Lampropeltis getula getula</i>	U - S3		x	
Northern Diamondback Terrapin	<i>Malaclemys terrapin terrapin</i>	SC - S3		x	

Table 4 - Potential State and Federal Threatened, Endangered, and Rare Species for Site 7-3 (Page 2 of 2)

S1 = Critically Imperiled (typically 5 or fewer occurrences)
S2 = Imperiled (typically 6 to 20 occurrences)
S3 = Vulnerable (typically 21 to 100 occurrences)
S4 = Apparently Secure (typically more than 100 occurrences)
S5 = Secure
S#S# = Rank Range to indicate the range of uncertainty about exact status
x/x = Dual status: State breeding population/State migratory or winter population
B = Breeding population
N = Nonbreeding population
S = Stable species
D = Declining species
E = Endangered species
LP = Listed by Pinelands Commission as endangered or threatened within their jurisdiction
HL = Protected by Highlands Water Protection and Planning Act within Highlands Preservation Area
T = Threatened species
SC = Special Concern
LE = Formally listed as Endangered
LT = Formally listed as Threatened
U = Undetermined status (not enough information available)
DE=Delisted
**=Black rail has been proposed for listing as Endangered in NJ (from Threatened)
Sources: Natural Heritage Database information (NJNHP 2009d) supplemented with field observations conducted on February 9, 2011. Species names marked with a single asterisk indicate species observed within the site that were not noted in Natural Heritage Database information.

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 1 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
1	3 School Street	3 School Street					X		in APE	
2	Glen Gardner Pony Pratt Truss Bridge	School Street over Spruce Run River		X		X			in APE	
3	White Hill Road Bridge	NJ Transit Raritan Valley Line, Milepost 55.72 over White Hill Road					X		in APE	
4	Asbury Historic District			X		X			in APE	
5	12 Sanatorium Road	12 Sanatorium Road					X		in APE	
6	6 Sanatorium Road	6 Sanatorium Road					X		in APE	
7	Glen Gardner Historic District						X		in APE	
8	Joseph Gardner Residence	57 Main Street					X		in APE	
9	Garrett W. Hagedorn Geriatric Psychiatric Hospital (State Tuberculosis Sanatorium)	Skinner Road					X		in APE	
10	Glen Gardner First Presbyterian Church	2101 NJ Route 31					X		in APE	
11	Roadbed of the High Bridge Division of the Central Railroad of New Jersey						X		in APE	
12	Creek Bridge	NJ Transit Raritan Valley Line, Milepost 60.03 over Creek					X		in APE	
14	Readingsburg Historic District			X					in APE	
13	Rocky Run Road Bridge						X		in APE	
15	Stone Fence - Flynn Property						X		in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 2 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
16	Stone Fences - Pfauth Property	JCP&L Right of Way south of Gross Drive					X		in APE	
17	Buffalo Hollow Road Bridge	NJ Transit Raritan Valley Line, Milepost 53.38 over Buffalo Hollow Road					X		in APE	
18	Willoughby Brook Bridge	NJ Transit Raritan Valley Line, Milepost 53.18 over Willoughby Brook					X		in APE	
19	Lake Solitude Dam and Lake Solitude						X		in APE	
20	Union-Exton Farm	Van Syckles Road				X			in APE	
21	Solitude House	7 River Road						X	in APE	
22	High Bridge Reformed Church	Church Street and County Route 513		X		X			in APE	
23	Stewartsville Village Historic District						X		in APE	
24	High Bridge	NJ Transit Raritan Valley Line, Milepost 52.07 over Raritan River and Arch Street					X		in APE	
25	North Bloomsbury Historic District						X		in APE	
26	Gray Rock Road Bridge (SI&A #10XXC76)	Gray Rock Road over Raritan River					X		in APE	
27	Garret Conover Farm	NJ Route 31					X		in APE	
28	Chew-Turner-Cathart Farm	Van Syckles Corner Road south of Henderson Road		X		X			in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 3 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
29	Mountainview Youth Correctional Facility Historic District						X		in APE	
30	County Route 579 Bridge (SI&A #1050161)	County Route 579 over Lehigh Valley Railroad						X	in APE	
31	Van Syckle Corner Historic District			X		X			≤ 1-mile of 4-1	
32	Milford Road Bridge over Lehigh Valley Railroad (SI&A #1050160)							X	in APE	
33	Beaver Brook Bridge	NJ Transit Raritan Valley Line, Milepost 49.99					X		in APE	
34	Christoffel Vought Farmstead	Greyrock Road					X		in APE	
35	Annandale Historic District			X					in APE	
36	Ramsey-Clark Farm	Intersection of Main Street and blossom Hill Road					X		in APE	
37	Beaver Brook Farmhouse	Beaver Avenue						X	in APE	
38	Lebanon Historic District							X	in APE	
39	Old Grandin Library	12 East Main Street		X			X		in APE	
40	M.C. Mulligan & Sons Quarry	56 Main Street		X			X		in APE	
41	Bray-Hoffman House	West side of Bray's Hill Road		X			X		in APE	
42	Dunham's Mill / Parry's Mill	7 Center Street		X			X		in APE	
43	Clinton Historical Museum	56 Main Street		X			X		in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 4 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
44	Round Valley Road Bridge	NJ Transit Raritan Valley Line, Milepost 47.92 over Round Valley Road					X		in APE	
45	Warren Paper Mill	County Route 519					X		in APE	
46	Clinton Historic District			X		X			in APE	
47	Daniel Case / Sarah Clark Case Farmstead	Little York-Pattenburg Road		X		X			in APE	
48	Clinton Music Hall	23 West Main Street		X		X			in APE	
49	Perryville Tavern	Interstate 78 and NJ Route 42		X		X			≤ 1-mile of 4-1	
50	Bonnell Tavern	NJ Route 173, West Main Street and Pittstown Road					X		in APE	
51	Clinton Farms Historic District						X		in APE	
52	Stowe House	Edna Mahan Correctional Facility for Women					X		in APE	
53	Central Railroad of New Jersey Mainline Historic District				X		X		in APE	
54	P. Huffman / J. Runkle Farmstead	NJ Route 31			X		X		in APE	
55	Stever-Becker Farmstead	2089 Milford-Warren Glen Road					X		in APE	
56	Shively Farmstead	2153 Milford Warren Glen Road					X		in APE	
57	Little York Historic District			X		X			in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 5 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
58	Peter Mechlin's Corner Tavern	Intersection of NJ Route 42 and County Route 579		X		X			≤ 1-mile of 4-1	
59	Riegel Ridge Community Center	County Route 519		X		X			in APE	
60	Allerton Village Historic District				X		X		in APE	
61	Little York Historic District Addendum						X		in APE	
62	Lower Landsdowne Road Bridge (SI&A # 10XXF82)	Lower Landsdowne Road over Capoolong Creek						X	in APE	
63	Lansdown	Hamden-Clinton Road		X		X			in APE	
64	Charles Eversole House	509 County Route 523		X		X			in APE	
65	Mount Salem Methodist Episcopal Church	County Route 579		X		X			≤ 1-mile of 4-1	
66	Fink Type Truss Bridge	County Route 2 over the South Branch of the Raritan River		X		X			in APE	
67	Bunns Valley Agricultural Historic District							X	in APE	
68	Hamden Road Bridge (SI&A #10XXF65)	Hamden Road over South Branch Raritan River						X	in APE	
69	Rockhill Agricultural Historic District Extension						X		in APE	
70	Kingtown Mill and Myers House Complex	Lower Kingtown Road					X		in APE	
71	Upper Kingtown Road Bridge (SI&A #10XXF48)	Upper Kingtown Road over Capoolong Creek					X		in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 6 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
72	Rockhill Agricultural Historic District			X		X			≤1000 Feet of 4-1	
73	Amsterdam Historic District			X		X			in APE	
74	Cratetown Historic District				X		X		in APE	
75	Mount Pleasant Historic District			X		X			in APE	
76	Javes Road Bridge (SI&A #100H093)	Javes Road [York Rd?] over Hakihoake Creek						X	in APE	
77	Kiceniuk Road Bridge (SI&A #10XXF72)	Kiceniuk Road over South Branch Raritan River						X	in APE	
78	Pittstown Historic District			X		X			≤1000 Feet of 4-1	
79	J.R. Kenney Farmstead	Stanton Road			X		X		in APE	
80	Mill Street Bridge (SI&A #100M112)	Mill Street over Hakihoake Creek						X	in APE	
81	Stanton Rural Historic District			X		X			in APE	
82	Stanton Road Bridge over South Branch Raritan River (SI&A #10XX179)	Stanton Road, Readington Township						X	in APE	
83	Everittstown Historic District			X		X			in APE	
84	Quaker Meeting			X					≤ 1-mile of 4-1	
85	Quakertown Historic District			X		X			≤ 1-mile of 4-1	
86	Abraham Hoffman Farmstead	Old Clinton Road			X		X			

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 7 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
87	St. Thomas Episcopal Church	Sky Manor Road		X		X			≤ 1-mile of 4-1	
88	Curtis Paper Mill Historic District						X		in APE	
89	J.Q. Hoagland / N. Brittin Farmstead	NJ Route 31			X		X		in APE	
90	Dart's Mill Historic District			X		X			in APE	
91	Old York Road Historic District						X		in APE	
92	Frenchtown Historic District			X		X			≤ 1-mile of 4-1	
93	Uhlertown Historic District			X					≤ 1-mile of 4-1	
94	Flemington Fair Grounds	NJ Route 31					X		in APE	
95	John Reading Farmstead	523 River Road		X		X			in APE	
96	Raritan-Readington-South Branch Historic District			X		X			in APE	
97	Williamson-Cox-Hagerman Farmstead	78 Flemington Junction Road					X		in APE	
98	Lehigh Valley Railroad Historic District						X		≤1000 Feet of 4-1	
99	Pennsylvania Avenue Bridge (SI&A #100Q168)	Pennsylvania Avenue Extension over Central Railroad of NJ South Branch Railroad					X		in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 8 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
100	Higginsville Road Bridge (SI&A #1050167)	Higginsville Road over Lehigh Valley Main Line						X	in APE	
101	Fleming Castle	5 Bonnell Street				X			in APE	
102	Higginsville Road Bridges (NJDOT #18A0601 and #18A0605)	Higginsville Road over the South Branch of the Raritan River		X		X			in APE	
103	Erwina Historic District				X				≤ 1-mile of 4-1	
104	Beaver Creek Concrete Bridge				X				in APE	
105	Case-Dvoor Farmstead	111 Mine Street						X	in APE	
106	Swamp Creek Concrete Bridge				X				in APE	
107	Griggs Farmstead	101 Vorthees Corner Road					X		in APE	
108	County Route 523 Bridge (SI&A #1000016)	County Route 523 over Mine Brook						X	in APE	
109	Flemington Historic District			X		X			in APE	
110	Erwinna Covered Bridge	N of Erwinna on LR 09098, Tincum Township		X					in APE	
111	Riverside Farm	River and Headquarters Rds.		X					in APE	
112	Hager Tract Farm Historic District				X				in APE	
113	John Williams Farm Historic District				X				in APE	
114	Jonathan Higgins House	68 Sergeantsville Road						X	in APE	
115	Stover, Isaac, House	River Rd. S of Geigel Hill Rd.		X					in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 9 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
116	Stover Mill	PA 32		X					in APE	
117	Stone Sign Post Road Bridge (SI&A # 100D390)	Stone Sign Post Road Bridge over Plum Brook						X	in APE	
118	Clover Hill Historic District			X		X			in APE	
119	Locktown Baptist Church	Locktown-Sargentsville Road		X		X			in APE	
120	Peck's Ferry Bridge (SI&A #100D388)	Locktown-Flemington Road over Plum Brook		X		X			in APE	
121	Lear-Bodine-Evans Farmstead Rural Historic District							X	in APE	
122	Steel Tincum Creek Bridge				X				in APE	
123	Reaville Historic District					X			in APE	
124	Frankenfield Covered Bridge	N of Tincum on T 421, Tincum Township		X					in APE	
125	Kuhls Road Bridge (SI&A #10XXQ48)	Kuhls Road over Neshanic River Branch						X	in APE	
126	Everitts Road Bridge (SI&A #10XXQ40)	Everitts Road over Branch Neshanic River						X	in APE	
127	Pine Hill Road Bridge (SI&A # 1000111)	Pine Hill Road over tributary Wickecheokee Creek						X	in APE	
128	Ridge Valley Historic District			X					in APE	
129	Sutphin Farm	95 Manners Road					X		in APE	
130	L. Chamberlain Farmstead	49 Larsen Rd					X		in APE	
131	Manners Road Bridge (SI&A #100E239)	County Route 609 over Back Brook					X		in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 10 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
132	Lynford Hamilton House				X				in APE	
133	Sergeantsville Historic District						X		in APE	
134	Covered Bridge Historic District			X		X			in APE	
135	Green Sergeant's Covered Bridge (SI&A #1000110)	Rosemont-Sergeantsville Road over Wickecheoke Creek		X		X			in APE	
136	Fisher Farmstead	231 Wertsville Road					X		in APE	
137	Womansville Historic District				X				in APE	
138	Inch Lines Linear Multistate Historic District						X		in APE	
139	Ringoes Historic District			X		X			in APE	
140	Rosemont Ridge Historic District						X		in APE	
141	Point Pleasant Historic District			X					in APE	
142	Bridge in Tinicum Township	LR 920 over Pennsylvania Canal		X					in APE	
143	Stimples Mill Road Bridge (SI&A #10XX481)	Stimples Mill Road over Lockatong Creek						X	in APE	
144	Raven Rock Road Bridge (SI&A #10XX300)	Raven Rock Road over Lockatong Creek						X	in APE	
145	Delaware and Raritan Canal	Follows the Delaware River to Trenton, then E to New Brunswick							in APE	
146	Dawlis Mill / Spring Mills Historic District			X		X			in APE	

Table 5 - Site 4-1 Previously Identified Architectural Resources (Page 11 of 11)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance Category	
147	Prallsville Industrial Historic District (Smith's Mills)			X		X			in APE	
148	District No. 98 Schoolhouse	19 South Main Street		X		X			in APE	
149	Lumberville Historic District			X					in APE	
150	Stockton Historic District						X		in APE	
151	Isaiah Paxon Farm			X					in APE	
152	Carversville Historic District Extension				X				in APE	
153	Center Bridge Historic District			X					in APE	
154	Mount Airy Historic District			X		X			in APE	
155	Cuttalosa Historic District								in APE	
156	Delaware and Raritan Canal Historic District			X		X			in APE	

Table 6 - Site 4-1 Potential Architectural Resources (Page 1 of 3)						
ID	Name/Description	Location	Municipality	County	State	Distance Category
1	Former Grange Hall	Pittstown Road, S of Locust Grove Road	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
2	Two-story stone House	61 Baker Road	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
3	Federal-style stucco-clad 2-story 3-bay residence	NW corner of Baker and Pittstown Roads	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
4	Greek Revival Residence and barn	2 Sky Manor Road	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
5	Early stone barn	Senator Stout and Hog Hollow Roads, SE Corner	Frenchtown	Hunterdon	New Jersey	
6	Two-story frame house and Barn	32 Cooks Cross Rd	Pittstown	Hunterdon	New Jersey	≤ 1 Mile of 4-1
7	Municipal Hall, Jutland	231 Main Street	Hampton	Hunterdon	New Jersey	≤ 1 Mile of 4-1
8	Bethlehem Cemetery and Church Ruins	Baptist Church Road at Frontage Road	Hampton	Hunterdon	New Jersey	≤ 1 Mile of 4-1
9	Two-story wood-frame house	132 Ruppell Road	Clinton	Hunterdon	New Jersey	in APE
10	Two-story wood-frame house	1 Lower Landsdown Road	Annandale	Hunterdon	New Jersey	in APE
11	Two-story wood-frame house	3 Lower Landsdown Road	Annandale	Hunterdon	New Jersey	in APE
12	Picturesque-style house with cross gable	59 Lower Kingtown Road	Annandale	Hunterdon	New Jersey	in APE
13	Stone House	373 Sidney Road	Pittstown	Hunterdon	New Jersey	in APE
14	Wood-frame house with exposed brick fireback	261 Oak Grove Road	Pittstown	Hunterdon	New Jersey	≤ 1 Mile of 4-1
15	Small frame church	Oak Grove Road at SW corner Croton Rd	Pittstown	Hunterdon	New Jersey	in APE
16	House with stone nogging and Barn Complex	Oak Grove Road at Rake Road	Pittstown	Hunterdon	New Jersey	in APE
17	Greek Revival-style residence with exposed fireback	Thatchers Hill Road at SW corner of Klinessville Road	Flemington	Hunterdon	New Jersey	in APE

Table 6 - Site 4-1 Potential Architectural Resources (Page 2 of 3)						
ID	Name/Description	Location	Municipality	County	State	Distance Category
18	Cross-gable Queen Anne-style residence	95 Cherryville Stanton Road	Flemington	Hunterdon	New Jersey	in APE
19	Cherryville Potential Historic District, including Cherryville Baptist Church and cemetery	NW corner of Cherryville Road and Quakertown Road	Flemington	Hunterdon	New Jersey	in APE
20	Two-story stone house with two-story frame addition	29 Old Franklin School Road	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
21	Five-bay two-story stone house	24 Old Franklin School Road	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
22	Stone House	Pittstown Road, east side, immediately south of Franklin School Road	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
23	Abandoned stone house with wood-frame section	183 Old Croton Road	Flemington	Hunterdon	New Jersey	in APE
24	Stone house	28 Sergeantsville Flemington Rd	Flemington	Hunterdon	New Jersey	in APE
25	Stone house with early frame addition	90 Sergeantsville Flemington Rd	Flemington	Hunterdon	New Jersey	in APE
26	3-bay frame house with Greek door	108 Sergeantsville Flemington Rd	Flemington	Hunterdon	New Jersey	in APE
27	Five-bay wood-frame house	North of 108 on Sergeantsville Flemington Road	Flemington	Hunterdon	New Jersey	in APE
28	Two-story stone house	40 Locktown Sergeantsville Road	Stockton	Hunterdon	New Jersey	in APE
29	Sandy Ridge Baptist Church and cemetery	47 Sandy Ridge Road at Cemetery Road	Stockton	Hunterdon	New Jersey	in APE
30	Stone House	843 Sergeantsville Road	Stockton	Hunterdon	New Jersey	in APE
31	Baptistown Potential Historic District, incl. cemetery	CR 519 between Route 12 and Oak Grove Road	Baptistown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1
32	Stone house with Victorian trim	CR 519 W side, N of Dalrymple Way	Frenchtown	Hunterdon	New Jersey	≤ 1 Mile of 4-1
33	Universalist Church and cemetery	1 Oak Summit Road	Frenchtown	Hunterdon	New Jersey	≤ 1 Mile of 4-1

Table 6 - Site 4-1 Potential Architectural Resources (Page 3 of 3)

ID	Name/Description	Location	Municipality	County	State	Distance Category
34	Stone House	Just north of 172 Hampton Road, W side	Pittstown	Hunterdon	New Jersey	≤ 1,000 Feet of 4-1

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 1 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
157	Archmere	3600 Philadelphia Pike		X					in APE	
158	US Route 130 Bridge over Raccoon Creek (NJDOT #0817151)	Route 130 over Raccoon Creek					X		in APE	
159	Mt. Pleasant Methodist Episcopal Church and Parsonage	1009 Philadelphia Pike (Business US Route 13)		X					in APE	
160	Laurel	619 Shipley Rd.		X					in APE	
161	Old Stone Church	Stone Meetinghouse Road						X	in APE	
162	Rockwood	610 Shipley Rd.		X					in APE	
163	Bancroft and Sons Cotton Mills	Rockford Rd.		X					in APE	
164	Dupont, P. S., High School	601 W. 34th St.		X					in APE	
165	Augustine Paper Mill	N. Brandywine Park Dr.		X					in APE	
166	Delaware Academy of Medicine	1925 Lovering Avenue		X					in APE	
167	Marcus Hook Range Rear Light	Light House Rd.		X					in APE	
168	Brandywine Park and Kentmere Parkway			X					in APE	
169	Logan House	1701 Delaware Ave.		X					in APE	
170	Continental Army Encampment Site	Lovering Ave. near Broom St.		X					in APE	
171	Baynard Boulevard Historic District	Baynard Blvd. between 18th St. and Concord Ave.		X					in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 2 of 12)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
172	Brandywine Park	Roughly bounded by Augustine, 18th, and Market Sts. and Lovering Ave.		X					in APE
173	Schoonover, Frank E., Studios	1616 Rodney St.		X					in APE
174	Wawaset Park Historic District	Bounded by Pennsylvania Ave., Woodlawn Ave., Seventh St., and Greenhill Ave.		X					in APE
175	Delaware Avenue Historic District	Roughly bounded by Shallcross Ave., Harrison St., Pennsylvania Ave., and Rodney St.		X					in APE
176	Pyle, Howard, Studios	1305 and 1307 N. Franklin St.		X					in APE
177	Locke Avenue Bridge						X		in APE
178	St. Anthony's Roman Catholic Church	W. Ninth and N. DuPont Sts.		X					in APE
179	Nike Missile Master Complex	Delaware Road					X		in APE
180	Postles House	1007 N. Broom St.		X					in APE
181	Rodney Court	1100 Pennsylvania Ave.		X					in APE
182	New Century Club	1014 Delaware Ave.		X					in APE
183	Old First Presbyterian Church of Wilmington	West St. on Brandywine Park Dr.		X					in APE
184	Stratton Hall (Governor Charles Stratton House)	Kings Highway		X		X			in APE

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 3 of 12)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
185	Brandywine Village Historic District	Roughly bounded by Brandywine Creek, Tatnall, 22nd, Gordon Sts., Vandever Ave., Mabel St., and 14th St. bridge		X					in APE
186	Trinity Episcopal Church	1108 N. Adams St.		X					in APE
187	Torbert Street Livery Stables	305-307 Torbert Street		X					in APE
188	Cool Spring Park Historic District	Bounded by Park Pl., Jackson, alley between 7th & 8th, Harrison, and 10th Sts.		X					in APE
189	Lore, Charles B., Elementary School	Fourth St. and Woodlawn Ave.		X					in APE
190	Eighth Street Park Historic District	Roughly bounded by 6th, 10th, Harrison, and Broom Sts.		X					in APE
191	Vanleer Cabin					X			in APE
192	Wilmington Central YMCA	501 W 11th Street		X					in APE
193	Trinity Church	NW Corner of Church Street and King's Highway		X		X			in APE
194	Eastside-Brandywine Historic District			X					in APE
195	Starr House	1310 King St.		X					in APE
196	Eastside-Brandywine Historic District	Roughly Bounded by Sixteenth St., Brandywine Creek, Twelfth St., and US 13		X					in APE
197	Shipley Run Historic District	Roughly bounded by Adams, 11th, Jefferson, and 7th Sts.		X					in APE

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 4 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
198	Wilmington Club, (House, John Merrick)	1103 North Market Street		X					in APE	
199	New Castle Leather Company Raw Stock Warehouse	14th and Poplar Sts.		X					in APE	
200	U.S. Post Office, Courthouse, and Customhouse	11th and Market Sts.		X					in APE	
201	Howard High School	13th and Poplar Sts.	X	X					in APE	
202	Grace United Methodist Church	9th and West Sts.		X					in APE	
203	John C. Rulon House	428 Kings Highway		X		X			in APE	
204	Richardson Avenue School (Mt. Lebanon Lodge No.47, F&AM)	Richardson and Second Avenues		X		X			in APE	
205	St. Joseph's Catholic Church	1012 French Street		X					in APE	
206	The Delaware Trust Building	900-912 N. Market Street		X					in APE	
207	Swedesboro Borough Hall	Intersection of King's Highway and Lake Avenue					X		in APE	
208	New Castle Leather Company Main Office Building	Eleventh and Poplar Sts.		X					in APE	
209	Woolworth, F. W., Company Building	839 N. Market St.		X					in APE	
210	Wilmington Yard and Shops	Twelfth St.		X					in APE	
211	Wilmington Savings Fund Society	838 N. Market St.		X					in APE	
212	Woodward Houses	701-703 West St.		X					in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 5 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
213	Dure, Frank, Building	811 N. Market St.		X					in APE	
214	Masonic Hall and Grand Theater	818 N. Market St.		X					in APE	
215	Aldine Theater	806--810 N. Market St.		X					in APE	
216	Kingswood Methodist Episcopal Church	Fourteenth and Claymont Sts.		X					in APE	
217	Govatos/McVey Building	800 N. Market St.		X					in APE	
218	Garrett, Elwood, Building	718 N. Market St.		X					in APE	
219	Foord & Massey Furniture Company Building	701 N. Shipley Street		X					in APE	
220	Townsend, Henry, Building	709 N. Market St.		X					in APE	
221	Keil, Max, Building	712 N. Market St.		X					in APE	
222	Reynold's Candy Company Building	703 N. Market St.		X					in APE	
223	Robelen Piano Company Building	710 Market St.		X					in APE	
224	Braunstein's Building	704--706 N. Market St.		X					in APE	
225	Keil, Max, Building	700 N. Market St.		X					in APE	
226	Gray, Charles, Printing Shop	11 E. 8th St.		X					in APE	
227	Quaker Hill Historic District	Roughly bounded by Tatnall, Jefferson, 2nd and 7th Sts.		X					in APE	
228	Schagrin, Charles, Building	608 N. Market St.		X					in APE	
229	Crosby and Hill Building	605 N. Market St.		X					in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 6 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
230	Dingee, Jacob, House	105 E. 7th St.		X					in APE	
231	McLane, Louis, House	606 Market St.		X					in APE	
232	Friends Meetinghouse	4th and West Sts.		X					in APE	
233	Dingee, Obadiah, House	107 E. 7th St.		X					in APE	
234	Delmarva Power and Light Building	600 N. Market St.		X					in APE	
235	Old Town Hall	512 Market St.		X					in APE	
236	Old Town Hall Commercial Historic District	Roughly bounded by 5th, N. King, 6th, and Shipley Sts.		X					in APE	
237	Old Customshouse	6th and King Sts.		X					in APE	
238	Ferris, Zachariah, House	414 W. 2nd St.		X					in APE	
239	St. Hedwig's Roman Catholic Church	Linden and S. Harrison Sts.		X					in APE	
240	Philips-Thompson Buildings	200-206 E. 4th St.		X					in APE	
241	Church Street Historic District	Bounded by Eighth, Locust, Seventh, and Church Sts.		X					in APE	
242	Lower Market Street Historic District	Bounded by 4th, 5th, King and Shipley Sts.		X					in APE	
243	St. Mary of the Immaculate Conception Church	6th and Pine Sts.		X					in APE	
244	St. Mary's School	502 Pine St.		X					in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 7 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
245	Harlan and Hollingsworth Office Building	West St.		X					in APE	
246	Holy Trinity Church	7th and Church Sts.	X	X					in APE	
247	Old Asbury Methodist Church	Walnut and 3rd Sts.		X					in APE	
248	Baltimore and Ohio Railroad Passenger Station	Market & Water Sts.		X					in APE	
249	Public School No. 19	801 S. Harrison St.		X					in APE	
250	Fort Christina	E. 7th St. and the Christina River, Fort Christina State Park	X	X					in APE	
251	Wilmington Amtrak Station	Front and French Sts.		X					in APE	
252	Wilmington Rail Viaduct	Amtrak's Northeast Corridor through Wilmington		X					in APE	
253	Brown, Dr. John A., House	4 7th Ave.		X					in APE	
254	Butler Farm	Mullica Hill-Swedesboro Road		X		X			in APE	
255	STATE OF PENNSYLVANIA (steamboat)	Christina River		X					in APE	
256	Leap House	193 West Main Street					X		in APE	
257	Glynrich	Maryland Ave.		X					in APE	
258	Penns Grove Municipal Building	Corner of Main and State Streets					X		in APE	
259	Bellevue Range Rear Light Station	Christina River N Side, 0.3 mi W of Delaware River, 50ft S of Cherry Island		X					in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 8 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
260	Woodstock	102 Middleboro Rd.		X					in APE	
261	Killgore, Joseph, House	107 N. James St.		X					in APE	
262	Woman's Club of Newport	15 N. Augustine St.		X					in APE	
263	Killgore Hall	101 N. James St.		X					in APE	
264	Collison House	21 N. Walnut St.		X					in APE	
265	Weldin, Lewis, House	7--9 W. Market St.		X					in APE	
266	Armstrong Lodge No. 26, A. F. & A. M.	112--114 E. Market St.		X					in APE	
267	Newport National Bank	100 E. Market St.		X					in APE	
268	Galloway-Walker House	107 John St.		X					in APE	
269	Newport Railroad Station	James St. at Penn Central RR tracks, north side		X					in APE	
270	Tatnall, Joseph, House	S. James St., W side, near Christiana Cr.		X					in APE	
271	Lobdell Estate, Minquadales Home	U.S. 13		X					in APE	
272	Moravian Church	Swedesboro-Sharpstown Road		X		X			in APE	
273	Horner Farms	Mullica Hill-Harrisonville Road				X			in APE	
274	Swanwyck	65 Landers Lane		X					in APE	
275	Seven Stars Tavern	Sharpstown-Swedesboro Road and Woodstown-Auburn Road		X		X			in APE	
276	Glebe House	DE 9		X					in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 9 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
277	Penn Farm of the Trustees of the New Castle Common	807 Frenchtown Pike		X					in APE	
278	Hermitage, The	On DE 273		X					in APE	
279	Air Service, Inc., Hangar at Bellanca Airfield	SR 273 and Center Point Boulevard		X					in APE	
280	Lesley-Travers Mansion	112 W. 6th St.		X					in APE	
281	Amstel House	Delaware and 4th Sts.		X					in APE	
282	Stonum	9th and Washington Sts.	X	X					in APE	
283	New Castle Historic District (NHL)		X	X					in APE	
284	Old Courthouse	211 Delaware St.	X	X					in APE	
285	New Castle Ice Piers	Delaware River		X					in APE	
286	James & Mary Lawson House	209 North Main Street		X		X			in APE	
287	Joseph Shinn House	68 North Main Street		X		X			in APE	
288	Woodstown Town Center Commercial Historic District						X		in APE	
289	Charles Engle Allen House	947 US Highway 40						X	in APE	
290	South Woodstown Historic District						X		≤ 1-mile	
291	Champneys-Reed House	Old Salem Road					X		≤ 1-mile	
292	Samuel and Anne Bassett House	29 Fox Road						X	in APE	

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 10 of 12)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
293	Zaccheus Dunn House	East Lake Road near Woodstown-Alloway Road		X		X			≤ 1-mile
294	Salem County Alms House and Insane Asylum	900 NJ Route 45					X		≤1000 Feet
295		177 Pointers Auburn Ave					X		in APE
296	Finn's Point Rear Range Light	Intersection of Fort Mott and Lighthouse Roads		X		X			≤ 1-mile
297	Redstrake House	698 South Broadway						X	≤ 1-mile
298	Richard Brick House	Compromise Road		X		X			in APE
299	Samuel Urion / Yerkes Farmstead	Lighthouse Road					X		≤ 1-mile
300	William Smith House	Route 45 & Bassett Road		X		X			in APE
302	Fort Mott and Finn's Point National Cemetery Historic District			X		X			in APE
303	Fort Mott and Finns Point National Cemetery Historic District Boundary Increase					X			in APE
306	Mannington Township Hall	NJ Route 45/Salem-Woodstown Road at Welchville-Alloway Road					X		in APE
307	Pittsgrove Presbyterian Church	Daretown Road		X		X			in APE
308	Dickinson House	Brickyard Road		X		X			in APE
309	26 Daretown - Alloway Road	26 Daretown - Alloway Road					X		in APE

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 11 of 12)											
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance		
310	Hackett House	119 Hackett Road						X	in APE		
314	Fort Delaware on Pea Patch Island	Pea Patch Island in the Delaware River		X					in APE		
315	Salem Motor Vehicle Inspection Station	185 Route 45					X		in APE		
316	Eastern Lock of the Chesapeake and Delaware Canal	Battery Park		X					in APE		
317	Delaware City Historic District	Roughly bounded by the Delaware River, Dragon Creek, DE 9, and the Delaware and Chesapeake Canals		X					in APE		
318	Chelsea	DE 9		X					in APE		
319	Market Street Historic District			X		X			in APE		
320	Broadway Historic District			X		X			in APE		
321	Hedge-Carpenter-Thompson Historic District			X		X			in APE		
322	Chestnut Street Streetscape						X		in APE		
323	Oak Street Streetscape						X		in APE		
324	Fort Dupont Historic District	East side of route 9, south of the Chesapeake and Delaware Canal		X					in APE		
325	Walnut Street Streetscape						X		in APE		

Table 7 - Site 7-1 Previously Identified Architectural Resources (Page 12 of 12)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
326	Salem Working Class Historic District						X		in APE	
327	Village of Alloway Historic District						X		in APE	
328	Holmeland (Benjamin Holme's House)	Fort Elfsborg-Hancock's Bridge Road		X		X			in APE	
329	Samuel and Sarah Nicholson House	Amwellbury Road near Featherbed Lane		X		X			in APE	
330	Philip Fries House	Cohansey-Daretown Road		X		X			≤ 1-mile	
331	New Bridge Road (CR623) Bridge (Str. #1701399)	New Bridge Road (County Route 623) over Alloways Creek					X		in APE	
332	Abel and Mary Nicholson House	Hancocks Bridge-Fort Elfsborg Road	X	X		X			in APE	
334	Hancock's Bridge (SI&A #1701300)	Salem-Hancocks Road (County Route 658) over Alloway Creek					X		in APE	
335	Hancock House	Hancock's Bridge, Locust Island Road		X		X			in APE	
336	Ware-Shourds House	134 Poplar Street		X		X			in APE	
337	Alloways Creek Friends Meetinghouse	74 Buttonwood Avenue		X		X			in APE	

Table 8 - Site 7-1 Potential Architectural Resources (Page 1 of 3)

ID	Name/Description	Location	Municipality	County	State	Distance
35	Three-bay brick Italianate-style house with hipped roof	731 Salem Quinton Road (State Route 49)	Salem	Salem	New Jersey	in APE
53	Two-story 5-bay high-style Federal brick house with dormers	32 Pointers Auburn Road	Salem	Salem	New Jersey	in APE
60	Brick tomb in field, small marble stone with letters "E B"	North Burden Hill Road between SR 49 and Waterworks Road	Salem	Salem	New Jersey	in APE
62	Three-bay brick house with additions, appears only but can only be seen from a distance	61 Amwellbury Road	Bridgeton	Salem	New Jersey	in APE
63	Early brick house with diamond diapering; 20th century addition	139 Amwellbury Road	Bridgeton	Salem	New Jersey	in APE
64	Frame farmhouse, apparently constructed in 2 stages in early to mid 19th century; frame barns	121 Haines Neck Road	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-1
65	Five-bay 2.5-story wood-frame farmhouse, with eyebrow windows, bracketed cornice, and hip-roofed porch	21 Marshalltown Road	Salem	Salem	New Jersey	≤ 1,000 Feet of 7-1
66	Two-story brick house with gable dormers, partially obscured by vegetation	29 or 31 Sunset Drive west of Pointers Auburn Road	Salem	Salem	New Jersey	≤ 1 Mile of 7-1
67	Holly Tree Farm, ca. 1840; 2-story 3-bay house with hipped roof, eyebrow windows, and bracketed porch	1096 South Broadway (SR 49)	Pennsville	Salem	New Jersey	in APE
68	Two-story 3-bay brick vernacular house and frame barns	182 Lighthouse Road	Pennsville	Salem	New Jersey	≤ 1 Mile of 7-1
69	Two-story frame house	57 West Supawna Road	Pennsville	Salem	New Jersey	in APE
70	Two-story 5-bay brick house	52 West Supawna Road	Pennsville	Salem	New Jersey	in APE
ID	Name/Description	Location	Municipality	County	State	Distance

Table 8 - Site 7-1 Potential Architectural Resources (Page 2 of 3)

ID	Name/Description	Location	Municipality	County	State	Distance
71	5-bay brick house with fanlight	77 West Supawna Road	Pennsville	Salem	New Jersey	in APE
72	5-bay wood-frame house and barns	Southern terminus of West Supawna Road	Pennsville	Salem	New Jersey	in APE
73	Two-story 5-bay brick house	10 West Supawna Road	Pennsville	Salem	New Jersey	in APE
74	Matthew Beasley House, ca. 1817, 3-bay brick house	465 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
75	Three-bay hip-roofed house with eyebrow windows and eaves brackets	543 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
76	Three-bay frame farmhouse with porch	769 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
77	Three-bay brick house with dentilled cornice and entry porch	842 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
78	Pittsgrove Presbyterian Church (ca. 1861 brick church adjacent to previously designated earlier church)	Southeast corner of Bridgeton and Daretown Roads	Daretown	Salem	New Jersey	in APE
79	Three-story clapboard-clad mill with undershot wheel and hoists, located in mill pond setting	21 Fox Mill Road	Elmer	Salem	New Jersey	in APE
80	Three-bay frame farmhouse with bracketed porch	Daretown Road, N side, just east of Fox Mill Road	Elmer	Salem	New Jersey	in APE
90	Richard Gibbs House, 2-story 5-bay brick house	104 Quinton-Marlboro Road	Salem	Salem	New Jersey	in APE
91	5-bay frame farmhouse with Italianate trim	525 Newbridge Road	Salem	Salem	New Jersey	in APE
95	Five-bay stuccoed house with entry porch and gable dormers	473 Grieves Parkway	Salem	Salem	New Jersey	in APE
96	Three-bay 2-story brick house with hipped roof	Fort Elfsborg Salem Road at end of Fort Elfsborg Road	Salem	Salem	New Jersey	in APE

Table 8 - Site 7-1 Potential Architectural Resources (Page 3 of 3)

ID	Name/Description	Location	Municipality	County	State	Distance
97	Five-bay hip-roofed farmhouse	349 Fort Elfsborg Road	Salem	Salem	New Jersey	in APE
99	Five-bay two-and-a-half-story mid-19th century brick house with eyebrow windows, hipped roof and widows walk	635 Acton Station Road or adjacent	Salem	Salem	New Jersey	in APE
101	Five-bay frame farmhouse with dormers	369 Swedesboro Road (CR 605)	Swedesboro	Salem	New Jersey	in APE
105	Three-bay frame house with porch	316 Watsons Mill Road	Elmer	Salem	New Jersey	in APE
106	Brick farmhouse with bracketed porch	139 Compromise Road	Salem	Salem	New Jersey	in APE
107	Brick farmhouse	21 Compromise Road	Salem	Salem	New Jersey	in APE
108	Two and a half-story hip-roofed frame house with eyebrow windows and widow's walk, likely mid 19th century	741 Route 45 (Salem Woodstown Road)	Salem	Salem	New Jersey	in APE
109	Two-story brick house	768 Route 45 (Salem Woodstown Road)	Salem	Salem	New Jersey	in APE
110	United Methodist Church and Cemetery, altered but requires further research	231 Haines Neck Road	Salem	Salem	New Jersey	≤ 1,000 Feet of 7-1
111	Five-bay 2.5-story frame house with porch, possible New World Dutch barn in rear yard	Pointers Auburn Road near Seabrook	Salem	Salem	New Jersey	≤ 1,000 Feet of 7-1
112	Early two-story house with gable dormers	455 Route 45 (Salem Woodstown Road)	Salem	Salem	New Jersey	in APE
113	Two-story house composed of a 3-bay Federal-style wood-frame section and a 2-bay brick section	Immediately north of 455 Route 45	Salem	Salem	New Jersey	in APE
114	Early brick house and barn complex	Route 45 (Woodstown Road) at Acton Station Road	Salem	Salem	New Jersey	in APE
115	Victorian Gothic frame farmhouse with mansard roof and steeply pitched cross gable with vergeboard trim	350 Acton Station Road	Salem	Salem	New Jersey	in APE

Table 9 - Site 7-2 Previously Identified Architectural Resources (Page 1 of 5)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
272	Moravian Church	Swedesboro-Sharpstown Road		X		X			in APE	
273	Horner Farms	Mullica Hill-Harrisonville Road				X			in APE	
275	Seven Stars Tavern	Sharpstown-Swedesboro Road and Woodstown-Auburn Road		X		X			in APE	
286	James & Mary Lawson House	209 North Main Street		X		X			in APE	
287	Joseph Shinn House	68 North Main Street		X		X			in APE	
288	Woodstown Town Center Commercial Historic District						X		in APE	
289	Charles Engle Allen House	947 US Highway 40						X	in APE	
290	South Woodstown Historic District						X		In APE	
291	Champneys-Reed House	Old Salem Road					X		In APE	
292	Samuel and Anne Bassett House	29 Fox Road						X	in APE	
293	Zaccheus Dunn House	East Lake Road near Woodstown-Alloway Road		X		X			In APE	
294	Salem County Alms House and Insane Asylum	900 NJ Route 45					X		In APE	
295		177 Pointers Auburn Ave					X		in APE	
297	Redstrake House	698 South Broadway						X	In APE	
298	Richard Brick House	Compromise Road		X		X			in APE	

Table 9 - Site 7-2 Previously Identified Architectural Resources (Page 2 of 5)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
299	Samuel Urien / Yerkes Farmstead	Lighthouse Road					X		In APE	
300	William Smith House	Route 45 & Bassett Road		X		X			in APE	
301	Mayhew - Johnson - Lippincott House	20 Newkirk - Station					X		in APE	
304	Millville and Glassboro Railroad Historic District						X		in APE	
305	Greenberg Farm Complex	US Route 40 and Woolman Road					X		in APE	
306	Mannington Township Hall	NJ Route 45/Salem-Woodstown Road at Welchville-Alloway Road					X		in APE	
307	Pittsgrove Presbyterian Church	Daretown Road		X		X			in APE	
308	Dickinson House	Brickyard Road		X		X			in APE	
309	26 Daretown - Alloway Road	26 Daretown - Alloway Road					X		in APE	
310	Hackett House	119 Hackett Road						X	in APE	
311	Dodges Market	55 Chestnut Street					X		in APE	
312	Elmer Trust Company	25 South Main Street					X		in APE	
313	David Smith House	104 South Main Street		X		X			in APE	
315	Salem Motor Vehicle Inspection Station	185 Route 45					X		in APE	

Table 9 - Site 7-2 Previously Identified Architectural Resources (Page 3 of 5)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
319	Market Street Historic District			X		X			in APE
320	Broadway Historic District			X		X			in APE
321	Hedge-Carpenter-Thompson Historic District			X		X			in APE
322	Chestnut Street Streetscape						X		in APE
323	Oak Street Streetscape						X		in APE
325	Walnut Street Streetscape						X		in APE
326	Salem Working Class Historic District						X		in APE
327	Village of Alloway Historic District						X		in APE
328	Holmeland (Benjamin Holme's House)	Fort Elfsborg-Hancock's Bridge Road		X		X			in APE
329	Samuel and Sarah Nicholson House	Amwellbury Road near Featherbed Lane		X		X			in APE
330	Philip Fries House	Cohansey-Daretown Road		X		X			≤ 1-mile
331	New Bridge Road (CR623) Bridge (Str. #1701399)	New Bridge Road (County Route 623) over Alloways Creek					X		in APE
332	Abel and Mary Nicholson House	Hancocks Bridge-Fort Elfsborg Road	X	X		X			in APE
333	Deerfield Presbyterian Church	Northwest corner of Bridgeton to Deerfield Pike and Seeley Road		X		X			≤ 1-mile

Table 9 - Site 7-2 Previously Identified Architectural Resources (Page 4 of 5)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
334	Hancock's Bridge (SI&A #1701300)	Salem-Hancocks Road (County Route 658) over Alloway Creek					X		in APE
335	Hancock House	Hancock's Bridge, Locust Island Road		X		X			in APE
336	Ware-Shourds House	134 Poplar Street		X		X			in APE
337	Alloways Creek Friends Meetinghouse	74 Buttonwood Avenue		X		X			in APE
338	CCC Cabins Historic District							X	in APE
339	Nathaniel Chambless House	Alloway Creek Neck Rd.						X	≤1000 Feet
340	Deerfield Pike Tollgate House	89 Old Deerfield Pike		X		X			In APE
341	Beth-Hillel Synagogue	Carmel, Irving Avenue		X		X			in APE
342	Bridgeton Historic District			X		X			In APE
343	General Giles House	143 West Broad Street		X		X			In APE
344	Old Broad Street Presbyterian Church and Cemetery	Broad and Lawrence Streets		X		X			In APE
345	East Commerce Street Historic District						X		In APE
346	Jeremiah Buck House	297 East Commerce Street		X		X			In APE
347	Samuel Seeley House	274 East Commerce Street		X		X			In APE
348	Potter's Tavern	49-51 Broad Street		X		X			In APE
349	9 Manheim Avenue						X		In APE
350	Bridgeton-Millville Toll House	841 East Commerce Street					X		in APE

Table 9 - Site 7-2 Previously Identified Architectural Resources (Page 5 of 5)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
351	Trinity A.M.E. Church	NJ Highway 49, Gouldtown		X		X			in APE
353	Bethel A.M.E. Church	Shepperd's Mill Road, Springtown		X		X			In APE
356	Bethel African Methodist Episcopal Church	Sheppards Mill Rd. (Greenwich Township)		X					In APE
357	Thomas Maskel House	Bacon's Neck Road		X		X			In APE
358	Greenwich Historic District			X		X			In APE
359	"Spindrift" Sailing Yacht	Fianigan Brothers Ship Yard		X		X			in APE
360	Old Stone Church	Fairton, Cedarville and Sayres Neck Roads		X		X			in APE

Table 10 - Site 7-2 Potential Architectural Resources (Page 1 of 7)

ID	Name/Description	Location	Municipality	County	State	Distance
35	Three-bay brick Italianate-style house with hipped roof	731 Salem Quinton Road (State Route 49)	Salem	Salem	New Jersey	in APE
36	Two-story 4-bay clapboard-clad vernacular house	588 State Route 49	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-2
37	Marlboro Baptist Church, small frame Gothic Revival-style church with recent addition and adjacent cemetery	607 SR 49	Bridgeton	Salem	New Jersey	≤ 1 Mile of 7-2
38	Two wood-frame Greek Revival-style commercial buildings	Shiloh Pike NE corner of East Avenue	Shiloh	Cumberland	New Jersey	in APE
39	Two-story 5-bay wood-frame Federal-style residence	West Avenue just west of Shiloh Pike	Shiloh	Cumberland	New Jersey	in APE
40	Roadstown Potential Historic District, several 18th and 19th century residences retaining excellent integrity, including patterned brick and wood-frame clapboard-clad residences	Crossroads of Roadstown, Shiloh, and Roadstown Greenwich Roads	Roadstown	Cumberland	New Jersey	in APE
41	Early single-story brick vernacular house with gambrel roof and early frame addition	255 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
42	3-bay brick house with frame addition, likely late 18th c.	190 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
43	Two-story 3-bay brick house with multiple frame additions, likely late 18th c.	191 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
44	Two-story 5-bay early brick house, not currently inhabited	159 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
45	Two-story 5-bay wood-frame house with lean-to addition	Immediately N of 159 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3

Table 10 - Site 7-2 Potential Architectural Resources (Page 2 of 7)						
ID	Name/Description	Location	Municipality	County	State	Distance
46	Two-story 5-bay wood-frame house with exposed brick fireback	225 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
47	Two-story 5-bay wood-frame with Victorian wrap-around porch	176 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
48	Brookwood Farm; 2-story 3-bay frame house	220 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
49	Two-story 3-bay wood-frame house with addition	121 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
50	Six-bay wood-frame farmhouse with porch	79 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
51	Two-story 5-bay Federal-style frame house with exposed brick fireback	48 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
52	Two-story 5-bay wood-frame farmhouse	31 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
53	Two-story 5-bay high-style Federal brick house with dormers	32 Pointers Auburn Road	Salem	Salem	New Jersey	in APE
54	Two-story wood-frame farmhouse	Walters Road just E of Old Cohansey Road, S side	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-2
55	Two-story frame farmhouse and barns	Old Cohansey Road at terminus of Walters Road	Bridgeton	Cumberland	New Jersey	≤ 1 Mile of 7-2
56	Van Meter Farm, frame farmhouse with rear lean-to and barns	Old Cohansey Road at Roberts Road	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-2
57	Two-story wood-frame farmhouse with front porch	Cohansey Aldine Road, just N of W Deerfield Road	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-2
58	Two story frame farmhouse, replaced window sash and porch	Cohansey Aldine Rd just N of Beals Mill Road	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-2
59	Five-bay two-story Italianate-style frame house	208 Pecks Corner Cohansey Road	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-2

Table 10 - Site 7-2 Potential Architectural Resources (Page 3 of 7)						
ID	Name/Description	Location	Municipality	County	State	Distance
60	Brick tomb in field, small marble stone with letters "E B"	North Burden Hill Road between SR 49 and Waterworks Road	Salem	Salem	New Jersey	in APE
61	Woodland Country Dayschool, high-style Federal brick building with porch; 20th century rear addition	1216 Roadstown Road	Bridgeton	Salem	New Jersey	in APE
62	Three-bay brick house with additions, appears only but can only be seen from a distance	61 Amwellbury Road	Bridgeton	Salem	New Jersey	in APE
63	Early brick house with diamond diapering; 20th century addition	139 Amwellbury Road	Bridgeton	Salem	New Jersey	in APE
64	Frame farmhouse, apparently constructed in 2 stages in early to mid 19th century; frame barns	121 Haines Neck Road	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-1
65	Five-bay 2.5-story wood-frame farmhouse, with eyebrow windows, bracketed cornice, and hip-roofed porch	21 Marshalltown Road	Salem	Salem	New Jersey	≤ 1,000 Feet of 7-1
66	Two-story brick house with gable dormers, partially obscured by vegetation	29 or 31 Sunset Drive west of Pointers Auburn Road	Salem	Salem	New Jersey	≤ 1 Mile of 7-1
67	Holly Tree Farm, ca. 1840; 2-story 3-bay house with hipped roof, eyebrow windows, and bracketed porch	1096 South Broadway (SR 49)	Pennsville	Salem	New Jersey	in APE
68	Two-story 3-bay brick vernacular house and frame barns	182 Lighthouse Road	Pennsville	Salem	New Jersey	≤ 1 Mile of 7-1
69	Two-story frame house	57 West Supawna Road	Pennsville	Salem	New Jersey	in APE
70	Two-story 5-bay brick house	52 West Supawna Road	Pennsville	Salem	New Jersey	in APE
71	5-bay brick house with fanlight	77 West Supawna Road	Pennsville	Salem	New Jersey	in APE

Table 10 - Site 7-2 Potential Architectural Resources (Page 4 of 7)						
ID	Name/Description	Location	Municipality	County	State	Distance
72	5-bay wood-frame house and barns	Southern terminus of West Supawna Road	Pennsville	Salem	New Jersey	in APE
73	Two-story 5-bay brick house	10 West Supawna Road	Pennsville	Salem	New Jersey	in APE
74	Matthew Beasley House, ca. 1817, 3-bay brick house	465 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
75	Three-bay hip-roofed house with eyebrow windows and eaves brackets	543 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
76	Three-bay frame farmhouse with porch	769 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
77	Three-bay brick house with dentilled cornice and entry porch	842 Salem Quinton Road (SR 49)	Salem	Salem	New Jersey	in APE
78	Pittsgrove Presbyterian Church (ca. 1861 brick church adjacent to previously designated earlier church)	Southeast corner of Bridgeton and Daretown Roads	Daretown	Salem	New Jersey	in APE
79	Three-story clapboard-clad mill with undershot wheel and hoists, located in mill pond setting	21 Fox Mill Road	Elmer	Salem	New Jersey	in APE
80	Three-bay frame farmhouse with bracketed porch	Daretown Road, N side, just east of Fox Mill Road	Elmer	Salem	New Jersey	in APE
81	Centerlon Inn, 2-story wood-frame tavern, purported to date ca. 1706.	Centerlon Road at Almond Road	Centerlon	Salem	New Jersey	in APE
82	Durham House, 2-story 2-bay brick house, dated 1781 in brickwork	363 Schoolhouse Road	Bridgeton	Cumberland	New Jersey	in APE
83	Frame house with two-story bracketed porch	499 Schoolhouse Road	Bridgeton	Cumberland	New Jersey	in APE
84	Picturesque-style frame house with cross gable and bracketed porch	332 Back Neck Road	Bridgeton	Cumberland	New Jersey	in APE
85	Two-story 2-bay wood-frame house	22 Fairton Road	Bridgeton	Cumberland	New Jersey	in APE

Table 10 - Site 7-2 Potential Architectural Resources (Page 5 of 7)						
ID	Name/Description	Location	Municipality	County	State	Distance
86	Former Public School, ca. 1871, Italianate-style brick building	South Pearl Street at South Avenue	Bridgeton	Cumberland	New Jersey	≤ 1 Mile of 7-3
87	Likely early brick house with altered door and porch	Greenwich Road, S side, W of Barretts Run Road	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
88	Two-story 5-bay brick house with diamond diapering, dated 1728	689 Roadstown Road	Bridgeton	Cumberland	New Jersey	in APE
89	Cohansey Baptist Church, ca. 1801	714 Roadstown Road	Bridgeton	Cumberland	New Jersey	in APE
90	Richard Gibbs House, 2-story 5-bay brick house	104 Quinton-Marlboro Road	Salem	Salem	New Jersey	in APE
91	5-bay frame farmhouse with Italianate trim	525 Newbridge Road	Salem	Salem	New Jersey	in APE
92	2-story 2-bay frame house with log-construction addition	736 Smick Road	Salem	Salem	New Jersey	≤ 1 Mile of 7-2
93	Three-bay 2-story brick house with addition	304 Stow Neck Road	Salem	Salem	New Jersey	in APE
94	Five-bay 2-story frame house with sidelights	298 MacAnippuck Road	Bridgeton	Cumberland	New Jersey	in APE
95	Five-bay stuccoed house with entry porch and gable dormers	473 Grieves Parkway	Salem	Salem	New Jersey	in APE
96	Three-bay 2-story brick house with hipped roof	Fort Eifsborg Salem Road at end of Fort Eifsborg Road	Salem	Salem	New Jersey	in APE
97	Five-bay hip-roofed farmhouse	349 Fort Eifsborg Road	Salem	Salem	New Jersey	in APE
98	Early two-bay two-story frame farmhouse with two-story addition	893 Main Street (Canton Road/CR 623)	Salem	Salem	New Jersey	≤ 1 Mile of 7-2
99	Five-bay two-and-a-half-story mid-19th century brick house with eyebrow windows, hipped roof and widows walk	635 Acton Station Road or adjacent	Salem	Salem	New Jersey	in APE

Table 10 - Site 7-2 Potential Architectural Resources (Page 6 of 7)						
ID	Name/Description	Location	Municipality	County	State	Distance
100	Apparent early 2-story brick farmhouse, distantly visible	953 Main Street (Canton Road/ CR 623)	Salem	Salem	New Jersey	in APE
101	Five-bay frame farmhouse with dormers	369 Swedesboro Road (CR 605)	Swedesboro	Salem	New Jersey	in APE
102	5-bay frame house with bracketed porch	3 Stathems Neck Road	Greenwich	Cumberland	New Jersey	≤ 1 Mile of 7-3
103	Early 2-story brick house, some alterations	277 Hospital Road	Greenwich	Cumberland	New Jersey	≤ 1 Mile of 7-3
104	Early two story brick house with additions, obscured by vegetation	234 Hospital Road	Greenwich	Cumberland	New Jersey	in APE
105	Three-bay frame house with porch	316 Watsons Mill Road	Elmer	Salem	New Jersey	in APE
106	Brick farmhouse with bracketed porch	139 Compromise Road	Salem	Salem	New Jersey	in APE
107	Brick farmhouse	21 Compromise Road	Salem	Salem	New Jersey	in APE
108	Two and a half-story hip-roofed frame house with eyebrow windows and widow's walk, likely mid 19th century	741 Route 45 (Salem Woodstown Road)	Salem	Salem	New Jersey	in APE
109	Two-story brick house	768 Route 45 (Salem Woodstown Road)	Salem	Salem	New Jersey	in APE
110	United Methodist Church and Cemetery, altered but requires further research	231 Haines Neck Road	Salem	Salem	New Jersey	≤ 1,000 Feet of 7-1
111	Five-bay 2.5-story frame house with porch, possible New World Dutch barn in rear yard	Pointers Auburn Road near Seabrook	Salem	Salem	New Jersey	≤ 1,000 Feet of 7-1
112	Early two-story house with gable dormers	455 Route 45 (Salem Woodstown Road)	Salem	Salem	New Jersey	in APE
113	Two-story house composed of a 3-bay Federal-style wood-frame section and a 2-bay brick section	Immediately north of 455 Route 45	Salem	Salem	New Jersey	in APE

Table 10 - Site 7-2 Potential Architectural Resources (Page 7 of 7)

ID	Name/Description	Location	Municipality	County	State	Distance
114	Early brick house and barn complex	Route 45 (Woodstown Road) at Acton Station Road	Salem	Salem	New Jersey	in APE
115	Victorian Gothic frame farmhouse with mansard roof and steeply pitched cross gable with vergeboard trim	350 Acton Station Road	Salem	Salem	New Jersey	in APE

Table 11 - Site 7-3 Previously Identified Architectural Resources (Page 1 of 3)										
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance	
331	New Bridge Road (CR623) Bridge (Str. #1701399)	New Bridge Road (County Route 623) over Alloways Creek					X		in APE	
332	Abel and Mary Nicholson House	Hancocks Bridge-Fort Elfsborg Road	X	X		X			in APE	
334	Hancock's Bridge (SI&A #1701300)	Salem-Hancocks Road (County Route 658) over Alloway Creek					X		in APE	
335	Hancock House	Hancock's Bridge, Locust Island Road		X		X			in APE	
336	Ware-Shourds House	134 Poplar Street		X		X			in APE	
337	Alloways Creek Friends Meetinghouse	74 Buttonwood Avenue		X		X			in APE	
339	Nathaniel Chambliss House	Alloway Creek Neck Rd.						X	In APE	
340	Deerfield Pike Tollgate House	89 Old Deerfield Pike		X		X			In APE	
342	Bridgeton Historic District			X		X			≤1000 Feet	
343	General Giles House	143 West Broad Street		X		X			≤ 1-mile	
344	Old Broad Street Presbyterian Church and Cemetery	Broad and Lawrence Streets		X		X			≤ 1-mile	
345	East Commerce Street Historic District						X		≤ 1-mile	
346	Jeremiah Buck House	297 East Commerce Street		X		X			≤ 1-mile	
347	Samuel Seeley House	274 East Commerce Street		X		X			≤ 1-mile	
348	Potter's Tavern	49-51 Broad Street		X		X			≤ 1-mile	

Table 11 - Site 7-3 Previously Identified Architectural Resources (Page 2 of 3)									
ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
349	9 Manheim Avenue						X		≤ 1-mile
350	Bridgeton-Millville Toll House	841 East Commerce Street					X		in APE
352	Hart House	E of Taylors Bridge on DE 453		X					in APE
353	Bethel A.M.E. Church	Shepperd's Mill Road, Springtown		X		X			≤1000 Feet
354	Johnson Home Farm	Cedar Swamp Road		X					in APE
355	Liston House	E of Taylors Bridge on DE 453		X					In APE
356	Bethel African Methodist Episcopal Church	Sheppards Mill Rd. (Greenwich Township)		X					≤ 1-mile
357	Thomas Maskel House	Bacon's Neck Road		X		X			≤1000 Feet
358	Greenwich Historic District			X		X			≤1000 Feet
359	"Spindrift" Sailing Yacht	Flanigan Brothers Ship Yard		X		X			in APE
360	Old Stone Church	Fairton, Cedarville and Sayres Neck Roads		X		X			in APE
361	Fleming House	NE of Smyrna on DE 9		X					in APE
362	Short's Landing Hotel Complex	NE of Smyrna		X					in APE
363	Sutton, Thomas, House	DE 79, with Woodland Beach Wildlife Area		X					in APE
364	George Farmhouse	E of Smyrna off DE 6		X					in APE
365	Ship John Shoal Lighthouse	Approximately 2.5 miles SW of mouth of Cohanse River					X		in APE
366	Voshell, John M., House	E of Smyrna		X					in APE

Table 11 - Site 7-3 Previously Identified Architectural Resources (Page 3 of 3)

ID	NAME	ADDRESS	National Historic Landmark	National Register - Listed	National Register - Eligible	State Register - Listed	State Register - Eligible	Certificate of Eligibility	Distance
367	Allee House	Off DE 9 on Dutch Neck Rd.		X					in APE
368	Raymond Neck Historic District			X					in APE

Table 12 - Site 7-3 Potential Architectural Resources (Page 1 of 4)

ID	Name/Description	Location	Municipality	County	State	Distance
36	Two-story 4-bay clapboard-clad vernacular house	588 State Route 49	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-2
37	Marlboro Baptist Church, small frame Gothic Revival-style church with recent addition and adjacent cemetery	607 SR 49	Bridgeton	Salem	New Jersey	≤ 1 Mile of 7-2
38	Two wood-frame Greek Revival-style commercial buildings	Shiloh Pike NE corner of East Avenue	Shiloh	Cumberland	New Jersey	in APE
39	Two-story 5-bay wood-frame Federal-style residence	West Avenue just west of Shiloh Pike	Shiloh	Cumberland	New Jersey	in APE
40	Roadstown Potential Historic District, several 18th and 19th century residences retaining excellent integrity, including patterned brick and wood-frame clapboard-clad residences	Crossroads of Roadstown, Shiloh, and Roadstown Greenwich Roads	Roadstown	Cumberland	New Jersey	in APE
41	Early single-story brick vernacular house with gambrel roof and early frame addition	255 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
42	3-bay brick house with frame addition, likely late 18th c.	190 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
43	Two-story 3-bay brick house with multiple frame additions, likely late 18th c.	191 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
44	Two-story 5-bay early brick house, not currently inhabited	159 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
45	Two-story 5-bay wood-frame house with lean-to addition	Immediately N of 159 Tyndall Island Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3

Table 12 - Site 7-3 Potential Architectural Resources (Page 2 of 4)						
ID	Name/Description	Location	Municipality	County	State	Distance
46	Two-story 5-bay wood-frame house with exposed brick fireback	225 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
47	Two-story 5-bay wood-frame with Victorian wrap-around porch	176 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
48	Brookwood Farm; 2-story 3-bay frame house	220 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
49	Two-story 3-bay wood-frame house with addition	121 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
50	Six-bay wood-frame farmhouse with porch	79 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
51	Two-story 5-bay Federal-style frame house with exposed brick fireback	48 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
52	Two-story 5-bay wood-frame farmhouse	31 Old Mill Road	Greenwich	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
54	Two-story wood-frame farmhouse	Walters Road just E of Old Cohansey Road, S side	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-2
55	Two-story frame farmhouse and barns	Old Cohansey Road at terminus of Walters Road	Bridgeton	Cumberland	New Jersey	≤ 1 Mile of 7-2
56	Van Meter Farm, frame farmhouse with rear lean-to and barns	Old Cohansey Road at Roberts Road	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-2
57	Two-story wood-frame farmhouse with front porch	Cohansey Aldine Road, just N of W Deerfield Road	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-2
58	Two story frame farmhouse, replaced window sash and porch	Cohansey Aldine Rd just N of Beals Mill Road	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-2
59	Five-bay two-story Italianate-style frame house	208 Pecks Corner Cohansey Road	Bridgeton	Salem	New Jersey	≤ 1,000 Feet of 7-2
60	Brick tomb in field, small marble stone with letters "E B"	North Burden Hill Road between SR 49 and Waterworks Road	Salem	Salem	New Jersey	in APE

Table 12 - Site 7-3 Potential Architectural Resources (Page 3 of 4)						
ID	Name/Description	Location	Municipality	County	State	Distance
61	Woodland Country Dayschool, high-style Federal brick building with porch; 20th century rear addition	1216 Roadstown Road	Bridgeton	Salem	New Jersey	in APE
82	Durham House, 2-story 2-bay brick house, dated 1781 in brickwork	363 Schoolhouse Road	Bridgeton	Cumberland	New Jersey	in APE
83	Frame house with two-story bracketed porch	499 Schoolhouse Road	Bridgeton	Cumberland	New Jersey	in APE
84	Picturesque-style frame house with cross gable and bracketed porch	332 Back Neck Road	Bridgeton	Cumberland	New Jersey	in APE
85	Two-story 2-bay wood-frame house	22 Fairton Road	Bridgeton	Cumberland	New Jersey	in APE
86	Former Public School, ca. 1871, Italianate-style brick building	South Pearl Street at South Avenue	Bridgeton	Cumberland	New Jersey	≤ 1 Mile of 7-3
87	Likely early brick house with altered door and porch	Greenwich Road, S side, W of Barretts Run Road	Bridgeton	Cumberland	New Jersey	≤ 1,000 Feet of 7-3
88	Two-story 5-bay brick house with diamond diapering, dated 1728	689 Roadstown Road	Bridgeton	Cumberland	New Jersey	in APE
89	Cohansey Baptist Church, ca. 1801	714 Roadstown Road	Bridgeton	Cumberland	New Jersey	in APE
90	Richard Gibbs House, 2-story 5-bay brick house	104 Quinton-Marlboro Road	Salem	Salem	New Jersey	in APE
91	5-bay frame farmhouse with Italianate trim	525 Newbridge Road	Salem	Salem	New Jersey	in APE
92	2-story 2-bay frame house with log-construction addition	736 Smick Road	Salem	Salem	New Jersey	≤ 1 Mile of 7-2
93	Three-bay 2-story brick house with addition	304 Stow Neck Road	Salem	Salem	New Jersey	in APE
94	Five-bay 2-story frame house with sidelights	298 MacAnippuck Road	Bridgeton	Cumberland	New Jersey	in APE

Table 12 - Site 7-3 Potential Architectural Resources (Page 4 of 4)

ID	Name/Description	Location	Municipality	County	State	Distance
98	Early two-bay two-story frame farmhouse with two-story addition	893 Main Street (Canton Road/CR 623)	Salem	Salem	New Jersey	≤ 1 Mile of 7-2
100	Apparent early 2-story brick farmhouse, distantly visible	953 Main Street (Canton Road/CR 623)	Salem	Salem	New Jersey	in APE
102	5-bay frame house with bracketed porch	3 Stathems Neck Road	Greenwich	Cumberland	New Jersey	≤ 1 Mile of 7-3
103	Early 2-story brick house, some alterations	277 Hospital Road	Greenwich	Cumberland	New Jersey	≤ 1 Mile of 7-3
104	Early two story brick house with additions, obscured by vegetation	234 Hospital Road	Greenwich	Cumberland	New Jersey	in APE
116	Wood-frame vernacular house	50 Cedar Swamp Road	Townsend	New Castle	Delaware	in APE
117	Brick farmhouse	Thoroughfare Neck Road between Flemings Landing Road and Collins Beach Road	Townsend	New Castle	Delaware	in APE
118	Vogel Farm and Watertower	Cedar Swamp Wildlife Area at end of Thoroughfare Neck Road	Townsend	New Castle	Delaware	in APE
119	Deakynville House	Corner of Deakynville Road and Flemings Landing Road	Townsend	New Castle	Delaware	in APE
120	Friendship Church	Paddock Road	Townsend	New Castle	Delaware	in APE