ENVIRONMENTAL IMPACT STATEMENT

SPACEX STARSHIP-SUPER HEAVY LAUNCH VEHICLE AT LAUNCH COMPLEX 39A

at the Kennedy Space Center, Merritt Island, Florida

Final, Volume II, Appendix B.4

January 2026

Federal Aviation Administration

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Appendix B *Regulatory Consultations*

This appendix provides regulatory consultation documentation for Endangered Species Act Section 7 consultation with the United States (U.S.) Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS), Magnuson-Stevenson Fishery Conservation and Management Act consultation with the NMFS, National Historic Preservation Act (NHPA) Section 106 consultation with the Florida State Historic Preservation Officer (SHPO), U.S. Department of Transportation Act Section 4(f) consultation with officials with jurisdiction over affected properties, Coastal Zone Management Act consultation with the Florida Department of Environmental Protection, and Marine Mammal Protection Act Incidental Harassment Authorization with NMFS.

B.4 Department of Transportation Act Section 4(f) Consultation

The Federal Aviation Administration sent letters of presumed significance and justification of use to the identified Officials with Jurisdiction (OWJs). If an OWJ could not be identified, a letter was sent to the relevant Federal, state, or local agency with a request to forward to an individual that would be identified as or could identify the OWJ. A letter for the Florida SHPO and an example letter of other OWJs is provided in the following pages. The Final Department of Transportation Section 4(f) Use Determination Report is provided afterward. No constructive use was identified and no OWJs responded with issues related to FAA's DOT Section 4(f) determinations.

U.S. Department of Transportation
Federal Aviation Administration

Office of Commercial Space Transportation

800 Independence Ave., SW.
Washington, DC 20591

August 4, 2025

Alissa Lotane
State Historic Preservation Officer
Florida Division of Historical Resources
R.A. Gray Building
500 South Bronough Street
Tallahassee, Florida, 32399
(850) 245-6300
Submitted to: CompliancePermits@dos.fl.gov

Re: Section 4(f) of the Department of Transportation Act Consultation, SpaceX Starship-Super Heavy Launch Operations, Merritt Island, Brevard County, Florida

Dear Alissa Lotane:

PURPOSE OF LETTER

The purpose of this letter is to notify you of the Federal Aviation Administration's (FAA's) Section 4(f) consultation process for addressing Section 4f properties in the study area under consideration for Space Exploration Technologies Corporation (SpaceX's) proposed operation of the Starship-Super Heavy at Launch Complex (LC)-39A within the National Aeronautics and Space Administration (NASA) Kennedy Space Center (KSC) on Merritt Island, Brevard County, Florida. Section 4(f) properties include 135 individual historic properties or districts that are either listed or eligible for listing in the National Register of Historic Places (NRHP). In addition, the project also considers 93 archaeological sites. This group is comprised of archaeological sites listed or eligible for listing in the NRHP, potentially eligible for listing in the NRHP, found to have insufficient information for evaluation, or current information is not sufficient to evaluate. It also includes sites thought to contain human remains. Those with insufficient information or currently unevaluated are assumed to be eligible for listing in the NRHP for this project. Existing documentation does not indicate whether these 93 sites warrant preservation in place; thus, FAA is including them in this analysis as conservative approach. However, it is likely that the number of sites that may warrant preservation in place is limited. It is possible there are no sites within the Section 106 Area of Potential Effects (APE) that warrant preservation in place.

For operations at LC-39A, SpaceX must obtain a new license or modification of its existing Vehicle Operator License from FAA for Starship-Super Heavy launch and landing operations. Issuing or modifying a Vehicle Operator License is considered a major Federal action for purposes of the National Environmental Policy Act of 1969, as amended (42 U.S. Code §4321 et seq.). Therefore, SpaceX prepared an environmental impact statement (EIS) under the supervision of the FAA as the lead Federal agency for this action. FAA Order 1050.1F, *Environmental Impacts: Policies and*

Procedures,[1] requires inclusion of Section 4(f) analyses in the EIS. As such, the FAA developed a Section 4(f) Use Determination Report in support of the EIS Section 4(f) analysis.

This letter outlines the determination of effects that may result from the proposed action.

REGULATORY BACKGROUND

The FAA's procedural requirements for complying with Section 4(f) are set forth in Department of Transportation Order 5610.1C, Procedures for Considering Environmental Impacts. The FAA also considers Federal Highway Administration (FHWA)/Federal Transit Authority (FTA) joint regulations (23 Code of Federal Regulations [CFR] Part 774) and FHWA guidance (e.g., Section 4(f) Policy Paper) when assessing the potential for *use* of Section 4(f) properties. These sources are not binding on the FAA; however, the FAA may use them as guidance to the extent relevant to FAA projects.

Under Section 4(f), the FAA 'may approve a transportation program or project . . . requiring the use of publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, State, or local significance, or land of an historic site of national, State, or local significance . . . only if: (1) there is no prudent and feasible alternative to using that land; and (2) the program or project includes all possible planning to minimize harm to the park, recreation area, wildlife and waterfowl refuge, or historic site resulting from the use." 49 U.S.C.. 303(c).

A *use* under Section 4(f) can occur when: 1) land from a Section 4(f) property is permanently incorporated into a transportation project; 2) there is a *temporary occupancy* of a Section 4(f) property; or 3) the transportation project's proximity to a Section 4(f) property results in impacts that would substantially impair the activities, feature, or attributes that qualify the property for protection under Section 4(f). The first two types of *use* are referred to as a *physical use*. The latter type of *use* is identified as *constructive use*.

Physical Use

A permanent incorporation would involve an actual physical taking of Section 4(f) property as part of a transportation project either as a purchase of land or a permanent easement.

Temporary occupancy occurs when a transportation project results in activities that require a temporary easement, right-of-entry, project construction, or another short-term arrangement involving a Section 4(f) property. A *temporary occupancy* is considered a Section 4(f) *use* unless the following conditions are satisfied:

1. Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land;
2. Scope of the work must be minor, i.e., both the nature and the magnitude of the changes to the Section 4(f) property are minimal;
3. There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis;
4. The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project; and

[1] Available online at https://www.faa.gov/documentlibrary/media/order/faa_order_1050_1f.pdf.

5. There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

See FAA Order 1050.1F, Appx. B, ¶ 2.2.1.

A *physical use* may be considered *de minimis* if, after taking into account avoidance, minimization, mitigation, and enhancement measures, the result is either: 1) a determination that the project would not adversely affect the activities, features, or attributes qualifying a park, recreation area, or wildlife or waterfowl refuge for protection under Section 4(f); or 2) a Section 106 of the National Historic Preservation Act finding of no adverse effect or no historic properties affected.

A *de minimis* impact determination requires agency coordination and public involvement. For parks, recreation areas, and wildlife and waterfowl refuges, the officials with jurisdiction over the property must be informed of the FAA's intent to make a *de minimis* impact determination, after which the FAA must provide an opportunity for public review and comment. The public notice and opportunity for comment may be combined with similar public involvement efforts for the National Environmental Policy Act (NEPA) process. After considering any public comments and if the officials with jurisdiction concur in writing that the project would not adversely affect the activities, features, or attributes that make the property eligible for Section 4(f) protection, the FAA may finalize a *de minimis* impact determination. For historic sites under Section 106, the FAA must consult with the consulting parties identified in accordance with 36 CFR Part 800 (Section 106's implementing regulations) and inform the officials with jurisdiction of the intent to make a *de minimis* impact determination. The officials with jurisdiction must concur in a finding of no adverse effect or no historic properties affected. Compliance with 36 CFR Part 800 satisfies the public involvement and agency coordination requirement for *de minimis* findings for historic sites.

Constructive Use

In order for a *constructive use* to occur, a transportation project must result in substantial impairment to the property's activities, features, or attributes to the extent that the value of the resource, in terms of its Section 4(f) purpose and significance, would be meaningfully reduced or lost. As noted in FHWA's Section 4(f) Tutorial, "*[c]onstructive use* involves an indirect impact to the Section 4(f) property of such magnitude as to effectively act as a permanent incorporation."[2] Per the FAA 1050.1F Desk Reference,[3] which provides guidance for FAA NEPA practitioners and is used to help FAA integrate applicable special purpose laws and requirements, a proximity-related impact's consequences must amount to "taking" a property or a portion of a property in order for a *constructive use* determination to be made.

A *de minimis* impact determination is not appropriate for *constructive use* of a Section 4(f) property because *constructive use* is defined as substantial impairment, and substantial impairment cannot be considered a *de minimis* impact.

PROPOSED ACTION

The FAA's proposed action is the issuance or modification of a Vehicle Operator License to SpaceX to support Starship-Super Heavy launch and landing operations (up to 44 launches and 88 landings – 44 for each stage [Starship and Super Heavy] of the launch vehicle – per year) at

[2] Available online at: https://www.environment.fhwa.dot.gov/section4f/default.aspx.

[3] Available online at: https://www.faa.gov/about/office_org/headquarters_offices/apl/environ_policy_guidance/policy/faa_nepa_order/desk_ref/.

LC-39A, including ocean landings of Super Heavy in the Atlantic Ocean and Starship in the Atlantic, Pacific and Indian Oceans. Starship and Super Heavy could land on floating platforms, or directly in the ocean.

HISTORIC AND ARCHAEOLOGICAL SURVEY EFFORTS

Southeastern Archaeological Research LLC (SEARCH) completed a cultural resources assessment survey (CRAS) in compliance with the regulations implementing Section 106 of the NHPA (36 CFR Part 800), and in accordance with Florida Administrative Code, Chapter 1A-46. The approach for the identification of historic properties was developed in consultation with NASA KSC, the FAA, and the Florida State Historic Preservation Officer (SHPO). The Florida SHPO concurred with the approach in a meeting on January 23, 2025. The CRAS concluded that the proposed action is unlikely to result in adverse effects to historic properties; however, because a final determination of how the undertaking would affect the historic properties was not possible at that time, a Programmatic Agreement to monitor and mitigate potential adverse effects is under development.

The area of potential effects (APE) was developed by NASA KSC and the FAA to consider both a construction APE and an operational APE. The construction APE was limited to the existing boundaries of LC-39A. The operational APE was predicated on the auditory and vibratory effects of the Starship-Super Heavy launch activity, as well as the overpressure effects of the sonic boom generated during atmospheric reentry. Considering the effects of ground, launch, and landing operations associated with Starship-Super Heavy, the operational APE was established as any area subjected to greater than or equal to 2 pounds per square foot (psf) from sonic booms under annual mean weather conditions for the range of launch/landing activities, an area that also encompasses the 130 dB threshold for launch effects. The APE totals 2,050,232.71 acres (ac); the majority of the APE extends off the Cape Canaveral coast over the Atlantic Ocean. Only 168,770.55 ac is terrestrial.[4]

Survey efforts included intensive architectural resource surveys, windshield surveys, and a desktop analysis of archaeological sites.

SECTION 4(F) DETERMINATION

The FAA does not propose to permanently incorporate land into transportation use, nor will it require temporary occupancy or permanent easements of lands from Section 4(f) resources. As such, the focus of the Section 4(f) evaluation was whether the proposed action would require the constructive use of Section 4(f) eligible properties.

Since the CRAS concluded that the proposed action is unlikely to result in adverse effects to historic properties, the expectation is that the project will not impair substantially the qualities that qualify the eligible properties for protection under Section 4(f), that character-defining features of historic properties will not be impacted in a manner that diminishes integrity, and that it is likely no archaeological sites will warrant preservation in place.

The FAA has determined that the proposed action does not result in Section 4(f) use, as defined at 23 CFR 774.17. The FAA invites the SHPO to provide written comments on the determination before publication of the Final EIS.

[4] For a copy of the previously submitted Cultural Resources Assessment Survey, please refer to Appendix B.3 of the Draft EIS available at www.faa.gov/space/stakeholder_engagement/spacex_starship_ksc.com.

SUMMARY OF ISSUE FOR DISCUSSION

The FAA has determined that the Proposed Action would not constitute a use of historic and archaeological sites, as the project will not lead to the permanent incorporation of land from historic sites into transportation use, temporary occupancy of historic sites, or the expectation that the project would impair substantially the qualities that qualify these resources for protection under Section 4(f).

Please see Appendix B.4 of the Draft EIS for the Section 4(f) Use Determination Report available at www.faa.gov/space/stakeholder_engagement/spacex_starship_ksc.com.

CLOSING

If you have questions or concerns, please contact Ms. Eva Long at (321) 759-2188 or via email at Eva.Long@faa.gov.

Sincerely,

Stacey M. Zee

Stacey M. Zee
Manager, Operations Support Branch

U.S. Department of Transportation
Federal Aviation Administration

Office of Commercial Space Transportation

800 Independence Ave., SW.
Washington, DC 20591

August 4, 2025

Greg Workman
Director, Florida Fish and Wildlife Conservation Commission
1239 S.W. 10th Street
Ocala, FL 34471-0323
352-732-1225
Submitted to: Greg.Workman@MyFWC.com

Re: Section 4(f) of the Department of Transportation Act Consultation, SpaceX Starship-Super Heavy Launch Operations, Merritt Island, Brevard County, Florida

Dear Greg Workman:

PURPOSE OF LETTER

The purpose of this letter is to notify you of the Federal Aviation Administration's (FAA's) Section 4(f) consultation process addressing the Section 4(f) properties in the study area under consideration for Space Exploration Technologies Corporation (SpaceX's) proposed operation of the Starship-Super Heavy at Launch Complex (LC)-39A within the National Aeronautics and Space Administration (NASA) Kennedy Space Center (KSC) on Merritt Island, Brevard County, Florida. Section 4(f) properties include public parks, recreation areas, and wildlife and waterfowl refuges on lands that have been designated as such by Federal, State, or local agencies, and for which the officials with jurisdiction over the land determine that the primary purpose of the land is a park, recreation area, or refuge. Section 4(f) is codified at 49 U.S.C. § 303.

For operations at LC-39A, SpaceX must obtain a new license or modification of its existing Vehicle Operator License from FAA for Starship-Super Heavy launch and landing operations. Issuing or modifying a Vehicle Operator License is considered major Federal action for purposes of the National Environmental Policy Act of 1969 (NEPA), as amended (42 U.S. Code §4321 et seq.). Therefore, SpaceX prepared an environmental impact statement (EIS) under the supervision of the FAA as the lead Federal agency for this action. FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*,[1] requires inclusion of Section 4(f) analyses in the EIS. As such, the FAA developed a Section 4(f) Use Determination Report in support of the EIS Section 4(f) analysis.

This letter outlines the determination of effects that may result from the proposed action.

REGULATORY BACKGROUND

The FAA's procedural requirements for complying with Section 4(f) are set forth in Department of Transportation Order 5610.1C, Procedures for Considering Environmental Impacts. The FAA also considers Federal Highway Administration (FHWA)/Federal Transit Administration (FTA) joint

[1] Available online at https://www.faa.gov/documentlibrary/media/order/faa_order_1050_1f.pdf.

regulations (23 Code of Federal Regulations [CFR] Part 774) and FHWA guidance (e.g., Section 4(f) Policy Paper) when assessing the potential for *use* of Section 4(f) properties. These sources are not binding on the FAA; however, the FAA may use them as guidance to the extent relevant to FAA projects.

Under Section 4(f), the FAA 'may approve a transportation program or project . . . requiring the use of publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, State, or local significance, or land of an historic site of national, State, or local significance . . . only if: (1) there is no prudent and feasible alternative to using that land; and (2) the program or project includes all possible planning to minimize harm to the park, recreation area, wildlife and waterfowl refuge, or historic site resulting from the use." 49 U.S.C.. 303(c).

A *use* under Section 4(f) can occur when: 1) land from a Section 4(f) property is permanently incorporated into a transportation project; 2) there is a *temporary occupancy* of a Section 4(f) property; or 3) the transportation project's proximity to a Section 4(f) property results in impacts that would substantially impair the activities, feature, or attributes that qualify the property for protection under Section 4(f). The first two types of *use* are referred to as a *physical use*. The latter type of *use* is identified as *constructive use*.

Physical Use

A permanent incorporation would involve an actual physical taking of Section 4(f) property as part of a transportation project either as a purchase of land or a permanent easement.

Temporary occupancy occurs when a transportation project results in activities that require a temporary easement, right-of-entry, project construction, or another short-term arrangement involving a Section 4(f) property. A *temporary occupancy* is considered a Section 4(f) *use* unless the following conditions are satisfied:

Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land;

Scope of the work must be minor, i.e., both the nature and the magnitude of the changes to the Section 4(f) property are minimal;

There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis;

The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project; and

There must be documented agreement of the official(s) with jurisdiction over the Section 4(f) resource regarding the above conditions.

See FAA Order 1050.1F, Appx. B, ¶ 2.2.1.

In the absence of permanent incorporation of land from wildlife and waterfowl refuges into transportation use, temporary occupancy of historic sites, and because the proposed action would not substantially impair the qualities that qualify these resources for protection under Section 4(f), the FAA has determined, as explained further below, there would be no Section 4(f) physical use.

Constructive Use

In order for a *constructive use* to occur, a transportation project must result in substantial impairment to the property's activities, features, or attributes to the extent that the value of the resource, in terms of its Section 4(f) purpose and significance, would be meaningfully reduced or lost. As noted in FHWA's Section 4(f) Tutorial, "*[c]onstructive use* involves an indirect impact to the Section 4(f) property of such magnitude as to effectively act as a permanent incorporation."[2] Per the FAA 1050.1F Desk Reference,[3] which provides guidance for FAA NEPA practitioners and is used to help FAA integrate applicable special purpose laws and requirements, a proximity-related impact's consequences must amount to "taking" a property or a portion of a property in order for a *constructive use* determination to be made.

A *de minimis* impact determination is not appropriate for *constructive use* of a Section 4(f) property because *constructive use* is defined as substantial impairment, and substantial impairment cannot be considered a *de minimis* impact.

In the absence of permanent incorporation of land from public parks and recreation areas into transportation use, temporary occupancy of historic sites, and because the proposed action would not substantially impair the qualities that qualify public parks and recreation areas for protection under Section 4(f), the FAA has determined, as explained further below, there would be no Section 4(f) constructive use.

PROPOSED ACTION

The FAA's proposed action is the issuance or modification of a Vehicle Operator License to SpaceX to support Starship-Super Heavy launch and landing operations (up to 44 launches and 88 landings – 44 for each stage [Starship and Super Heavy] of the launch vehicle – per year) at LC-39A, including ocean landings of Super Heavy in the Atlantic Ocean and Starship in the Atlantic, Pacific, and Indian Oceans. Starship and Super Heavy could land on floating platforms, or directly in the ocean. As noted in the EIS, one-half of these operations are assumed to occur between 10:00 p.m. and 7:00 a.m., and the other half are planned to occur between the hours of 7:00 a.m. and 10:00 p.m. for Starship-Super Heavy. The FAA and SpaceX also identified that the Starship-Super Heavy return and Starship return activities would generate noise ans sonic booms. FAA developed contours greater than or equal to 1 psf associated with the sonic boom overpressures that may occur with reentry. The 1 psf contours established for Super Heavy return and Starship return overlap waterfowl and wildlife refuges. The contour area includes 18 wildlife and waterfowl refuges including one National Wildlife Refuge. The FAA and SpaceX also identified a contingency landing area in the Atlantic Ocean with 1 psf levels. This landing area has a reduced likelihood of landings as compared to the planned operational area. The contingency area includes 52 wildlife and waterfowl refuges. SpaceX and the FAA anticipate that the contingency landing area may be used up to five times per year.

[2] Available online at: https://www.environment.fhwa.dot.gov/section4f/default.aspx.

[3] Available online at: https://www.faa.gov/about/office_org/headquarters_offices/apl/environ_policy_guidance/policy/faa_nepa_order/desk_ref/.

IDENTIFICATION EFFORTS

Public Parks and Recreation Areas

To identify public parks and recreation areas, the FAA used a minimum threshold of 60 decibels (dB) C-weighted day-night level (CDNL) to identify areas that may experience noise impacts. A noise level of 60 dB CDNL is used by the FAA as a threshold to evaluate potential Section 4(f) use based on noise impacts. DOT regulations at 14 CFR §150.7 establish that noise-sensitive land uses, such as residential areas, are generally not compatible with noise levels greater than 65 db. For impulsive noises (i.e., sonic booms), the FAA uses 60 dB as the threshold above which not all land uses are considered compatible. Land-use noise compatibility analysis considers the effects of noise on special management areas, such as national parks, national wildlife refuges (NWRs), and other sensitive noise receptors, where a quiet setting is a generally recognized purpose and attribute. Once the overlay area of 60 dB CDNL was created, the FAA identified parcels with publicly owned parks and recreation areas within those limits.

There are 92 publicly owned, publicly accessible recreation areas. The 92 recreation areas can be organized into five broad categories: park, water access, campground, golf course, and trail. Notably the majority are owned by Brevard County, including the School Board of Brevard County. Of the 92 recreation areas, 91 are owned and managed by Brevard County, including 20 school parks managed by the School Board of Brevard County. The county's holdings include 35 parks (including one school), one trail, and six water access sites. Forty-one recreation areas are under the jurisdiction of 8 individuals within the county government.

In general, Brevard County resources are open from dawn to dusk, as confirmed by Brevard County administrative staff on March 11, 2025. Available information regarding Brevard County parks within the project limits indicates that at least two parks are open as late as 10:00 p.m. approximately once a month to show movies outdoors.

The remaining 31 resources are under the jurisdiction of the Indian River School Board (1 resource), the Cape Canaveral Port Authority (2 resources), the City of Cape Canaveral (7 resources), City of Cocoa (7 resources), the City of Cocoa Beach (7 resources), The City of Rockledge (3 resources), and the City of Titusville (1 resource).

Wildlife and Waterfowl Refuges

There are 70 Federal, State, or locally owned conservation areas that meet the definition of a wildlife and waterfowl refuge. The NEPA study area for biological resources was used as the project area to identify potential wildlife and waterfowl refuges. The study area was set based on areas that would experience no less than 1 pound per square foot (psf) overpressure and no less than 60 dB CDNL during Starship-Super Heavy operations. The study area was developed considering the construction phase of the project and the operational aspects of Starship-Super Heavy. The former is centered on the construction area at LC-39A and the latter considers the introduction of noise and vibratory elements of Starship-Super Heavy operations.

Similarly to how public parks and recreation areas were identified, FAA identified publicly owned parcels used for wildlife management, conservation, and refuges. These parcels were only categorized as wildlife and waterfowl refuges if their primary purpose was related to the conservation, restoration, or management of wildlife or waterfowl, including the conservation,

restoration, and management of habitat. Some wildlife and waterfowl refuges are also considered parks.

SECTION 4(F) DETERMINATION

The FAA does not propose to permanently incorporate land into transportation use, nor will it require temporary occupancy or permanent easements of lands from Section 4(f) resources. As such, the focus of the Section 4(f) evaluation was whether the proposed action would require the constructive use of Section 4(f) eligible properties.

Public Parks and Recreation Areas

As half of the operations are planned during non-operational hours of parks (which are dusk to dawn), this assessment of proximity impacts considers the daylight operations of the proposed action when the parks are open. The FAA anticipates that users could experience exposure to 60 dB CDNL or greater approximately 3 to 4 times per month from 7:00 a.m. to 10:00 p.m. This includes up to 44 daytime landings of Starship-Super Heavy, which produce sonic booms. Sonic booms have the potential to annoy, disrupt, or startle people. However, static fire tests, launches, and reentries are of short duration. SpaceX, as part of the standard operating procedure outlined in the Noise and Land Use Mitigation Sections of the EIS, would publish advance notice of planned launches to the public and agencies. Advanced notification of launches is provided in part so that agencies have the opportunity to adapt programming to minimize interruption of recreational activities.

FAA found that it is also reasonably foreseeable that users of the Manatee Hammock Campground and Jetty Park in Cape Canaveral would experience exposure to over 60 dB CDNL approximately three to four times a month from 10:00 p.m. to 7:00 a.m. This includes 44 nighttime landings of Starship-Super Heavy, which produce sonic booms. The FAA determined that while the sonic booms at night may interfere with sleep, because the duration of the events are predicted to be short in duration, the introduction of a single noise event during the hours of 10:00 p.m. to 7:00 a.m. an average of 3 to 4 times per month does not represent a substantial impairment because it is not likely the activities, features, or attributes of the resource will be substantially diminished.

Wildlife and Waterfowl Refuges

There are no wildlife and waterfowl refuges within the construction area. Thus, the potential Section 4(f) use assessment examined if the proposed action results in constructive use within operational area, set with a boundary of the extent of the 1 psf contour.

The proposed action does not include potential closure or restriction at any waterfowl or wildlife refuge other than Merritt Island National Wildlife Refuge. Officials with jurisdiction over the properties would be able to manage the refuges according to existing management plans. The public would be able to access these properties for use as normal, including for hunting and wildlife viewing. The noise events associated with Starship-Super Heavy are predicted to be of short duration, approximately 88 times a year, either day or night. Additionally, while the noise and sonic booms are considered annoyances, the proposed action is not likely to substantially impair the attributes of the wildlife and waterfowl refuges because it is not anticipated that the proposed project would jeopardize the continued existence of species covered by the Endangered Species Act or cause substantial habitat effects, including loss, or long-term or permanent loss of plant or wildlife species populations.

The FAA has determined that the proposed action does not result in Section 4(f) use, as defined at 23 CFR 774.17. The FAA invites the Florida Fish and Wildlife Conservation Commission to provide written comments on the determination before publication of the Final EIS.

SUMMARY OF ISSUE FOR DISCUSSION

In the absence of permanent incorporation of land from public parks and recreation areas into transportation use, temporary occupancy of historic sites, and because the proposed action would not substantially impair the qualities that qualify public parks and recreation areas for protection under Section 4(f), the FAA has determined there would be no Section 4(f) use of public parks and recreation areas.

In the absence of permanent incorporation of land from wildlife and waterfowl refuges into transportation use, temporary occupancy of historic sites, and because the proposed action would not substantially impair the qualities that qualify these resources for protection under Section 4(f), the FAA has determined there would be no Section 4(f) use of wildlife and waterfowl refuges.

Please see Appendix B.4 of the Draft EIS for the Section 4(f) Use Determination Report, also available at www.faa.gov/space/stakeholder_engagement/spacex_starship_ksc.com.

CLOSING

If you have questions or concerns, please contact Ms. Eva Long at (321) 759-2188 or via email at Eva.Long@faa.gov.

Sincerely,

Stacey M. Zee

Stacey M. Zee
Manager, Operations Support Branch

SpaceX Starship-Super Heavy Launch Vehicle at Launch Complex 39A at Kennedy Space Center, Cape Canaveral, Florida

Department of Transportation Section 4(f) Use Determination Report

June 2025

Prepared by SEARCH

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1. Background

The Federal Aviation Administration (FAA) is evaluating Space Exploration Technologies Corp.'s (SpaceX's) proposal for operation of the Starship-Super Heavy (SSH) at Launch Complex (LC)-39A within the National Aeronautics and Space Administration (NASA) Kennedy Space Center (KSC) (see Figure 1.1-1 of the Environmental Impact Statement [EIS]). This Section 4(f) evaluation considers the proposed construction of a launch pad and other launch support infrastructure at LC-39A, launching of the SSH at LC-39A, landing of the Starship and the Super Heavy Booster at LC-39A, landing of the Starship and the Super Heavy Booster on droneships in the ocean, and expenditure of the vehicles and components in the ocean.

For operations at LC-39A, SpaceX must obtain a Vehicle Operator License from the FAA for SSH launch and landing operations, and the FAA would need to close appropriate airspace for those launch and landing operations. Issuing a Vehicle Operator License and approving airspace closures are considered major Federal actions for purposes of the National Environmental Policy Act (NEPA) of 1969, as amended by the Fiscal Responsibility Act of 2023, (42 United States [U.S.] Code [U.S.C.] §4321 et seq.). Therefore, SpaceX has prepared an EIS under the supervision of the FAA as the lead Federal agency for this action. This EIS assesses the reasonably foreseeable effects of the action and alternatives. The EIS was prepared pursuant to the FAA's NEPA-implementing policy FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*.

Section 4(f) of the U.S. Department of Transportation (DOT) Act of 1966 (now codified at 49 U.S.C. § 303) protects significant publicly owned parks, recreational areas, wildlife and waterfowl refuges, and public and private historic sites. Section 4(f) provides that the Secretary of Transportation may approve a transportation program or project requiring the use of publicly owned land of a public park, recreation area, or wildlife or waterfowl refuge of national, state, or local significance, or land of an historic site of national, state, or local significance, only if there is no feasible and prudent alternative to using that land and the program or project includes all possible planning to minimize harm resulting from the use. FAA Order 1050.1F requires inclusion of Section 4(f) analyses in the EIS. As such, FAA has developed this Section 4(f) Use Determination Report in support of EIS Section 4(f) analysis.

This Section 4(f) Use Determination Report is intended as a supporting appendix to the aforementioned EIS. Therefore, detailed information regarding the Proposed Action (to include purpose and need for the proposed action, locations and types of facilities, SSH operational parameters, etc.) are not detailed in this report. The following sections of the EIS provide necessary detail:

- ***EIS Section 1.3: Purpose and Need*** – provides details on the purpose and need for SSH at LC-39A.

- ***EIS Section 2.1.3: Starship-Super Heavy Operations*** – provides details regarding SSH operations, to include launch and landing trajectories and action areas, pre-launch activities (such as static fire testing and access controls), and recovery operations.

- ***EIS Section 2.1.4: LC-39A Infrastructure*** – provides details on the size and location of infrastructure development and function associated with the Proposed Action.

This Section 4(f) Use Determination Report provides the identification of Section 4(f) properties and a determination of use associated with the proposed project by SpaceX for its Starship-Super Heavy Launch Activities at Launch Complex 39A at KSC. The identification of properties and the determination of uses were made according to guidance outlined in FAA Order 1050.1F Desk Reference, Section 5, *Department of Transportation Act, Section 4(f)* (FAA, 2023).

2. Joint Development Exception to Section 4(f)

The FAA has determined, for the reasons explained in this section, that it is not required to prepare a section 4(f) evaluation for this Project for Merritt Island National Wildlife Refuge (MINWR), managed by the U.S. Fish and Wildlife Service, or Canaveral National Seashore (CANA), managed by the National Park Service.

The FAA has not promulgated its own section 4(f) regulations. However, the FAA's sister modes of the Department of Transportation—the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA)—have promulgated joint 4(f) regulations. See 23 CFR Part 774. The FHWA/FTA regulations "are not binding on the FAA. However, the FAA may use them as guidance to the extent relevant to aviation." FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures*, Appx. B, p. B-9.

Section 23 CFR 774.11(i) of the joint FHWA/FTA regulations provides that: (1) "[w]hen a property is formally reserved for a future transportation facility before or at the same time a park, recreation area, or wildlife and waterfowl refuge is established;" and (2) "concurrent or joint planning or development of the transportation facility and the Section 4(f) resource occurs, then any resulting impacts of the transportation facility will not be considered a "use" for purposes of section 4(f). This provision is sometimes known as the joint development exception. Both MINWR and CANA meet these two requirements. MINWR and CANA meet the first prong of the joint development exception, formal reservation, because:

- *MINWR*: In 1962, NASA acquired the lands and waters adjacent to Cape Canaveral to establish the John F. Kennedy Space Center (**Figure 1**). The formal reservation of property for Kennedy Space Center is documented in the 1962 deeds of lands from the State of Florida to the United States, which state the primary use as being for the "Manned Lunar Program." NASA built a launch complex and other space-related facilities, and the Congressional bill creating Kennedy Space Center specified that buffer zones be established. These buffer zones provided both security and a separation of people from safety hazards, including noise, potential debris, and other impacts. In 1963, NASA and the Bureau of Sport Fisheries and Wildlife (predecessor to the U.S. Fish and Wildlife

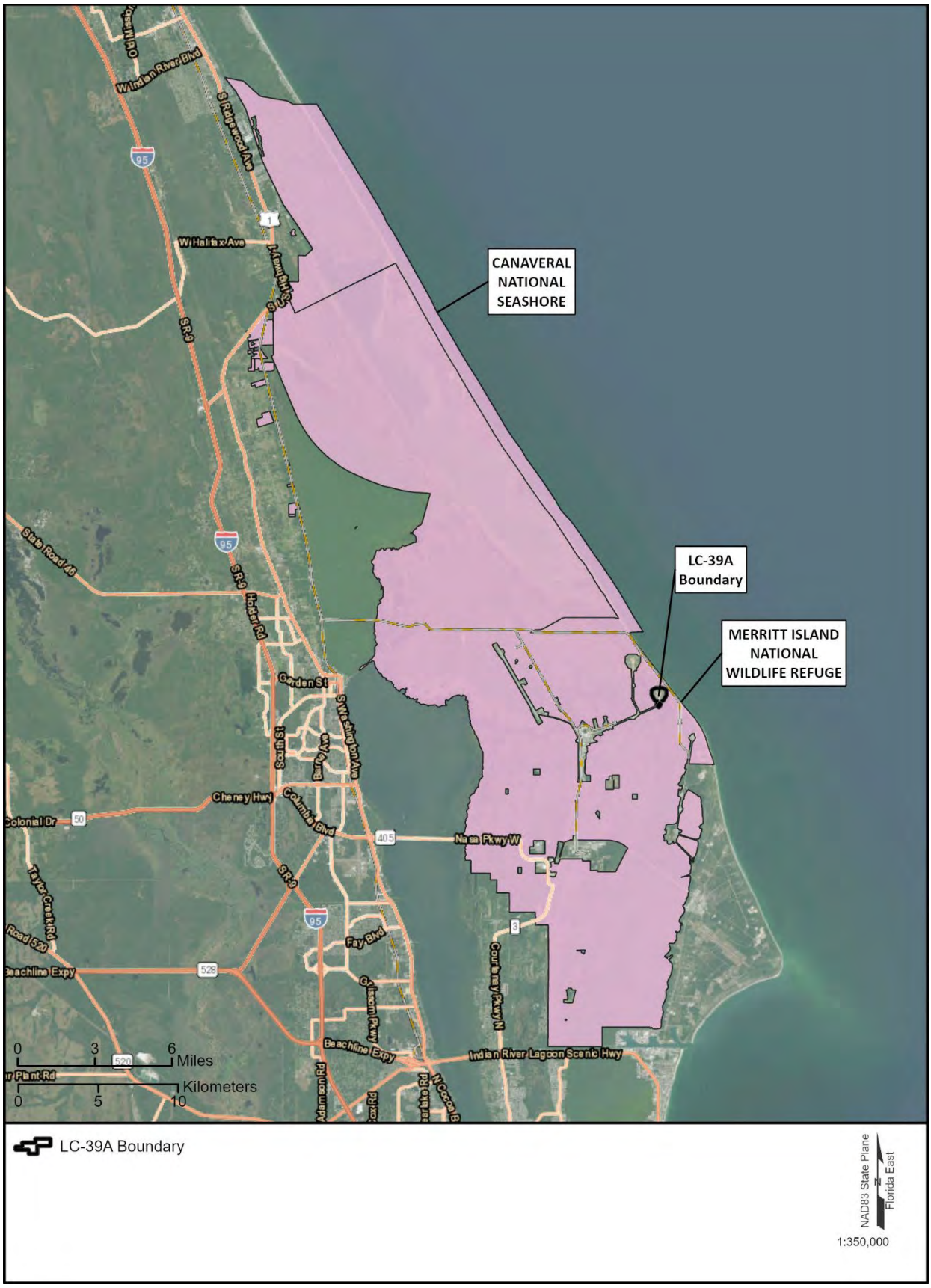

Figure 1. Canaveral National Seashore & Merritt Island National Wildlife Refuge (not subject to Section 4(f))

- Service) entered into a land-use agreement to create MINWR to utilize the buffer areas as an overlay of KSC, with the specification that the refuge "will not interfere with [NASA] operations."[1] According to the agreement, the lands and waters of the Kennedy Space Center were primarily to serve the space program and secondarily to serve as a wildlife refuge or park, with NASA having the ability to terminate the permit if activities were not compatible with "the nature of NASA's project activities."[2] In 1964, NASA increased the permitted area for MINWR through an amendment to the 1963 agreement, with the same terms and conditions outlined in the 1963 agreement.[3]
- *CANA*: Like MINWR, CANA was created as an additional overlay of Kennedy Space Center. Created by an act of Congress in 1975 (Pub. L. 93-626, 88 Stat. 2121), the CANA enabling legislation included 54,000 acres of NASA-owned land, 12,500 acres owned by the State of Florida, and 900 acres owned by private parties (see **Figure 1**). For the NASA-owned land, the law required that the Secretary of the Interior to enter into an agreement with NASA to "assure the use of such lands in a manner which is deemed consistent with the public safety and with the needs of the space and defense programs of the Nation" (Sec. 2). Further, the enabling legislation clarified that in exercising its administrative authority to manage the day-to-day operation of the seashore, the Secretary of the Interior, upon the request of NASA, "shall close this area or any part thereof to the public when necessary for space operations" (Sec 5(c)(1)).

MINWR and CANA meet the second prong of the joint development exception, joint planning, because among other reasons:

- *MINWR*: Evidence of concurrent or joint planning is documented in a number of interagency agreements including the Interagency Agreement between NASA and the Bureau for Use and Management of Property at KSC known as MINWR (KCA-1649 Rev. B), and the "Joint Operating Procedure between the 45th Space Wing, USFWS, and KSC for Prescribed Burning on the MINWR, and Cape Canaveral Air Force Station, Florida" (KSC 2019) interagency agreement which governs how prescribed burns on MINWR are managed. As KSC would consider other proposed uses for MINWR land, NASA would engage USFWS. In 1978, for example, Brevard County sought to construct a wastewater treatment project in the wildlife refuge. USFWS opposed, and NASA ultimately denied this request. Similarly, in 1984, NASA *coordinated with* USFWS in denying a GSA request for land in the refuge area for other than space program purposes. Subsequent to the 1964 amendment, NASA has entered into no less than six additional agreements regarding MINWR with the U.S. Fish and Wildlife Service.
- *CANA*: The 1975 Agreement between NASA and the Secretary of the Interior is an example of joint planning. In addition, in 1981 the National Park Service's General Management Plan for CANA specified that "NASA will retain principal authorities over its lands within

[1] *National Aeronautics and Space Administration Agreement with the Bureau of Sport Fisheries and Wildlife for the Use of Property at Merritt Island, Florida*, 1963.
[2] Id.
[3] *Amendment #1 to Agreement Between National Aeronautics and Space Administration Agreement with the Bureau of Sport Fisheries and Wildlife for the Use of Property at Merritt Island, Florida*, 1964.

the Seashore in order to ensure its capabilities to continue its mission."[4] *T*he general management plan *further provides* that closures "will increase in the future as launch rates increase," and that NPS would provide measures for beach access "if agreeable to NASA." In 2014, the NPS published its Final Environmental Impact Statement, which addresses the environmental impacts of the proposed implementation of its "Final General Management Plan" for the seashore. In the document, the NPS committed to "increased coordination with land-managing partners," and noted that "temporary closures of the Playalinda Beach area to visitor use "before scheduled launches and landings may continue."[5]

NASA, NPS, and USFWS staff also cooperatively and jointly engage in the management of historic properties which may be located at CANA or MINWR (see e.g., Canaveral National Seashore Final General Management Plan, Alternative B "Preferred Alternative" "NPS staff [will] continue to assist USFWS staff and NASA staff with…management of cultural resources"). NASA identifies USFWS and NPS as "consulting parties" under Section 106 of the National Historic Preservation Act (NHPA), which gives both agencies an opportunity to review and provide comment on all cultural resource materials that NASA sends to the Florida State Historic Preservation Office. NASA sends all ground disturbing construction permits to NPS and USFWS for comment and has loan agreements with NPS for the curation of archaeological resources. All three agencies meet monthly to coordinate cultural resources and other environmental issues.

Given the formal reservation of Kennedy Space Center as a space transportation facility, coupled with the robust joint planning between NASA, USFWS, and the NPS, the FAA considers its sister operating administrations' interpretations of Section 4(f) to be compelling and has determined that the FHWA/FTA regulation establishing the joint development exception to Section 4(f) is useful guidance for FAA. FAA has considered the regulation in reaching its decision to apply the exception to this Project. In short, the joint development exception applies to space program activities that are proposed to occur at KSC as part of the Project. Therefore, even if the Project otherwise would result in any use of MINWR and CANA, no section 4(f) evaluation is required.

3. Identification of Section 4(f) Properties

Section 4(f) properties include historic sites, public parks and recreation areas, and wildlife and waterfowl refuges as defined in 23 CFR 774.17. Section 4(f) properties within the project area for the SpaceX SSH Launch Vehicle at KSC were identified in the following manner to maintain consistency in the baseline thresholds used in different regulatory frameworks in a highly complicated and complex project area. The FAA's 1050.1F Desk Reference, Appendix B, and Federal Highway Administration's (FHWA) 2012 Section 4(f) Policy Paper (hereafter referred to

[4] Available at https://www.google.com/books/edition/Canaveral_National_Seashore_Statement_fo/vj43AQAAMAAJ?hl=en&gbpv=1&dq=%22playalinda%22+%22closure&pg=PA22&printsec=frontcover.

[5] Other areas which may be affected by NASA imposed requirements include, but are not limited to, the lands/waters south of State Route 402; NASA tracking facilities; temporary closures of parking areas 5 and ½ of 4. Canaveral National Seashore Final General Management Plan Environmental Impact Statement (npshistory.com).

as FHWA Policy Paper; FHWA 2012) were consulted for consistency in identifying properties and officials with jurisdiction over the subject properties.

Historic sites are those private or publicly held prehistoric or historic districts, sites, buildings, structures or objects included in or eligible for inclusion in the National Register of Historic Places (NRHP). Public parks, recreation areas, and wildlife and waterfowl refuges are those lands that have been designated as such by federal, state, or local agencies, and the officials with jurisdiction over the land determine that primary purpose of the land is a park, recreation area, or refuge (FHWA 2012).

Publicly owned and accessible parks and recreation areas can have many attributes and intended uses ranging from playgrounds at public schools to nature trails constructed within publicly owned parcels that are otherwise undeveloped. The table located in **Appendix A** lists Section 4(f) resources, along with a brief summary of the attributes, as interpreted by GIS data, websites managed by officials with jurisdictions, and management plans (as available), which qualify the lands as Section 4(f) resources. The table is a result of a manual assessment to remove those lands that do not fall under the expanded definition of public park, recreation area, or wildlife and waterfowl refuge as described in the FHWA Policy Paper at "Question 1A: When is publicly owned land considered to be a park, recreation area or wildlife and waterfowl refuge?" (FHWA 2012). Within the study area, these properties are sorted into five subcategories: park, water access, trail, campground, and golf course. The intent of categorization is to simplify the descriptions of and group the uses found within the non-historic site Section 4(f) resources within the project area in preparation of the Section 4(f) potential use analysis.

3.1. Historic Sites

Historic sites were identified through the Section 106 of the NHPA consultation process. The area of potential effects for the identification of Section 106 historic properties was the area bounded by the furthest extent of the 2psf contour. Historic sites include 135 individual properties or historic districts that are either listed, or eligible for listing in the NRHP **(Figures 2-13**). Of the 135, 24 are associated with KSC, including eight historic districts. Additionally, 34 resources are associated with CCSFS (formerly Cape Canaveral Air Force Station), including 11 historic districts. The project also considers 93 archaeological sites, noted in **Appendix A**. The group is comprised of archaeological sites listed or eligible for listing in the NRHP, potentially eligible for listing in the NRHP, found to have insufficient information for evaluation, or current information is not sufficient to evaluate. It also includes sites thought to contain human remains. Those with insufficient information or currently unevaluated are assumed to be eligible for listing for this project. Existing documentation associated with these sites does not indicate whether the sites warrant preservation in place (FHWA 2012). Therefore, the FAA is including these sites in the Section 4(f) documentation for the Proposed Action. However, it is likely that the number of sites that may warrant preservation in place is limited. It is possible there are no sites within the Section 106 Area of Potential Effects (APE) that warrant preservation in place.

A detailed explanation of how historic properties were identified in the Section 106 process is included in a cultural resources assessment survey (CRAS) report attached with the EIS.

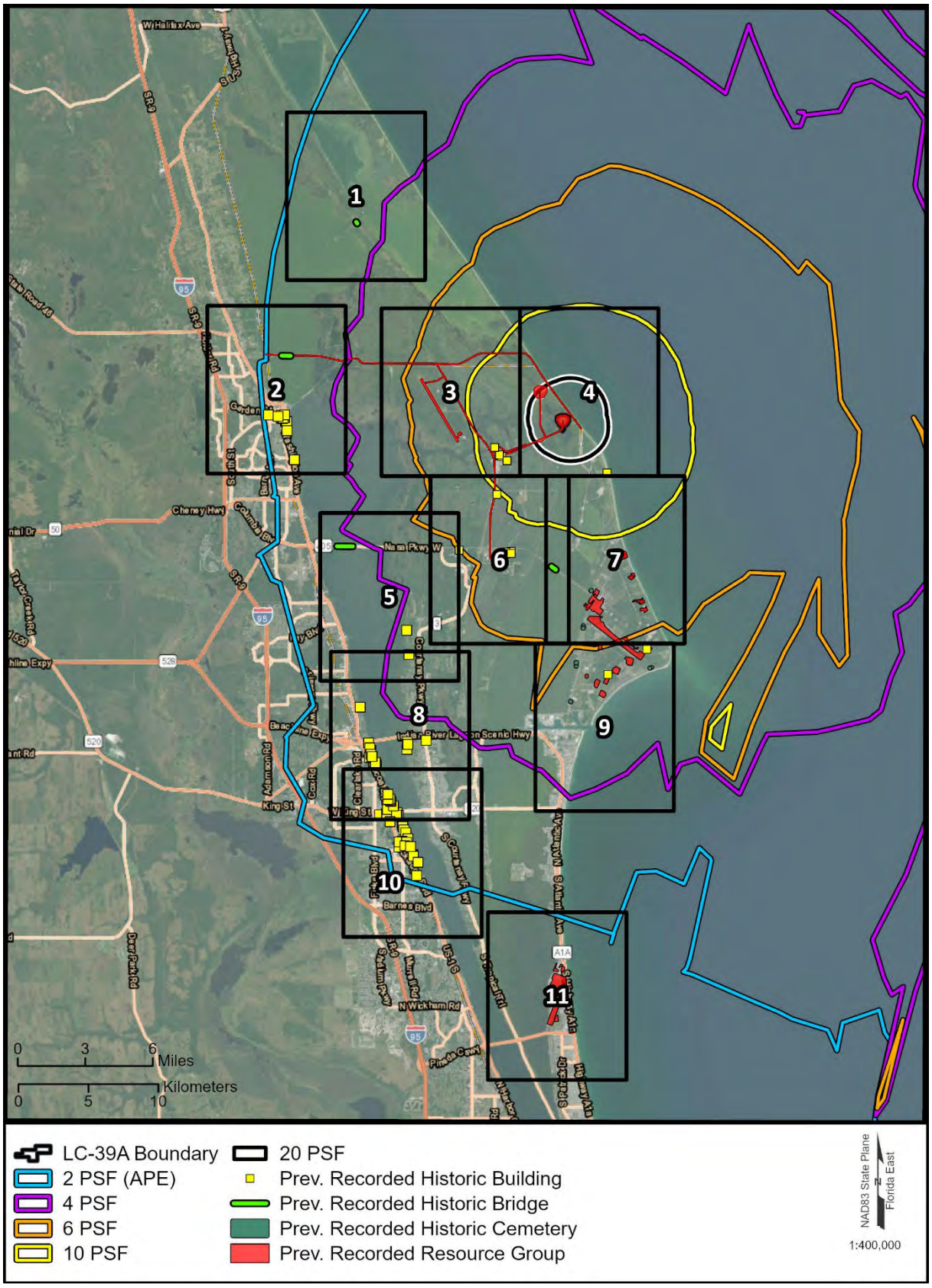

Figure 2. Historic Sites Overview

Figure 3. Historic Sites 1

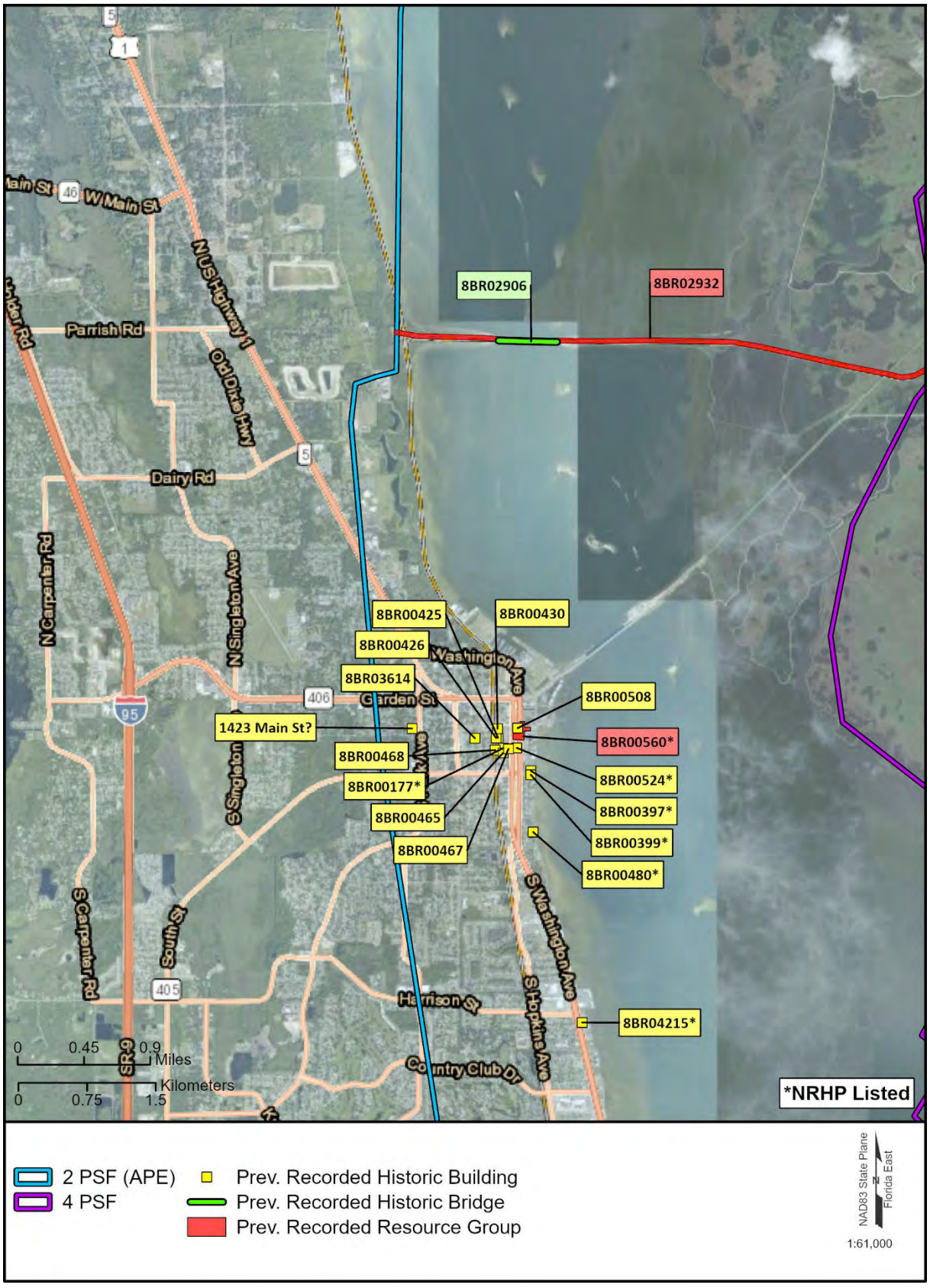

Figure 4. Historic Sites 2

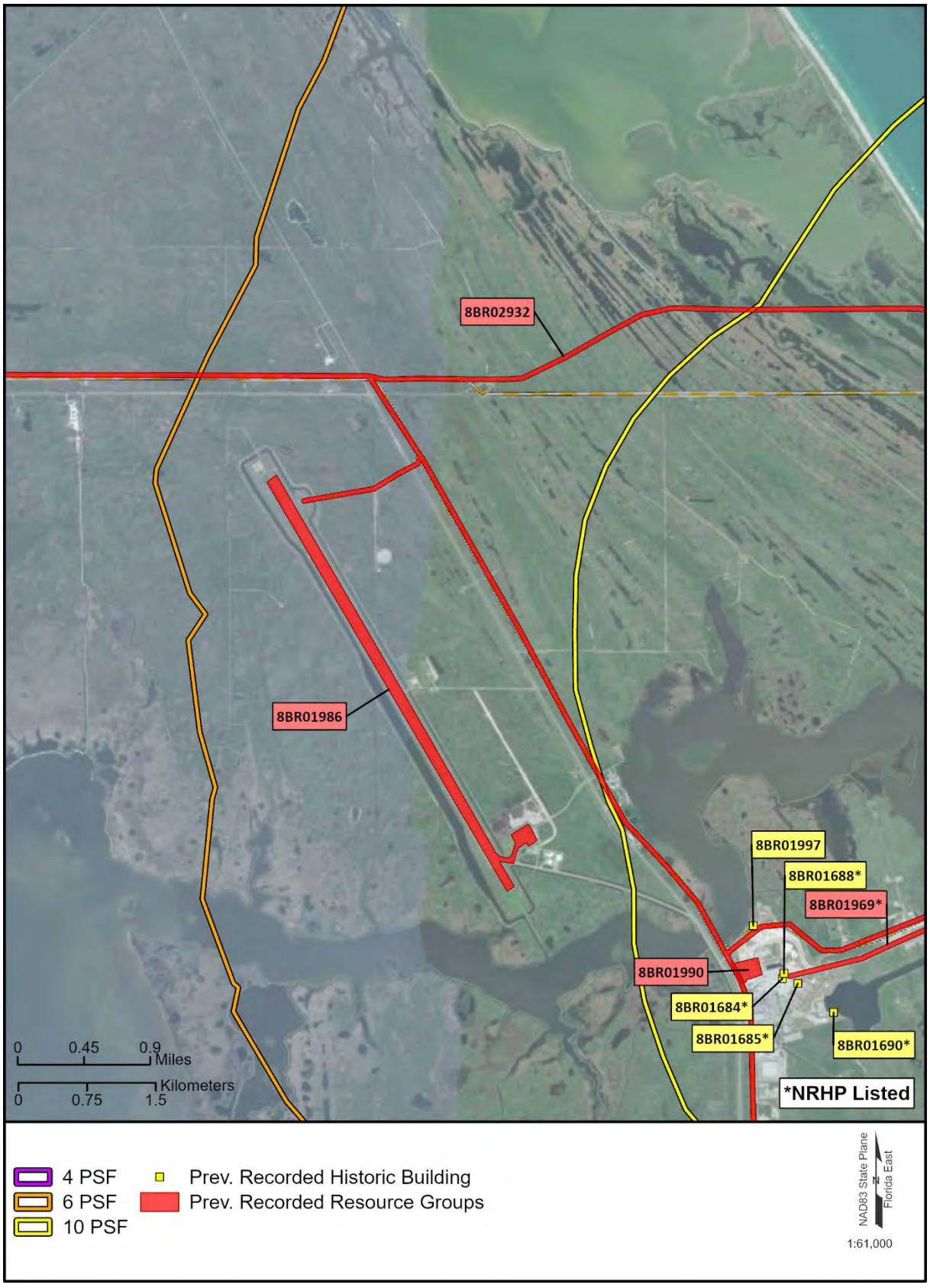

Figure 5. Historic Sites 3

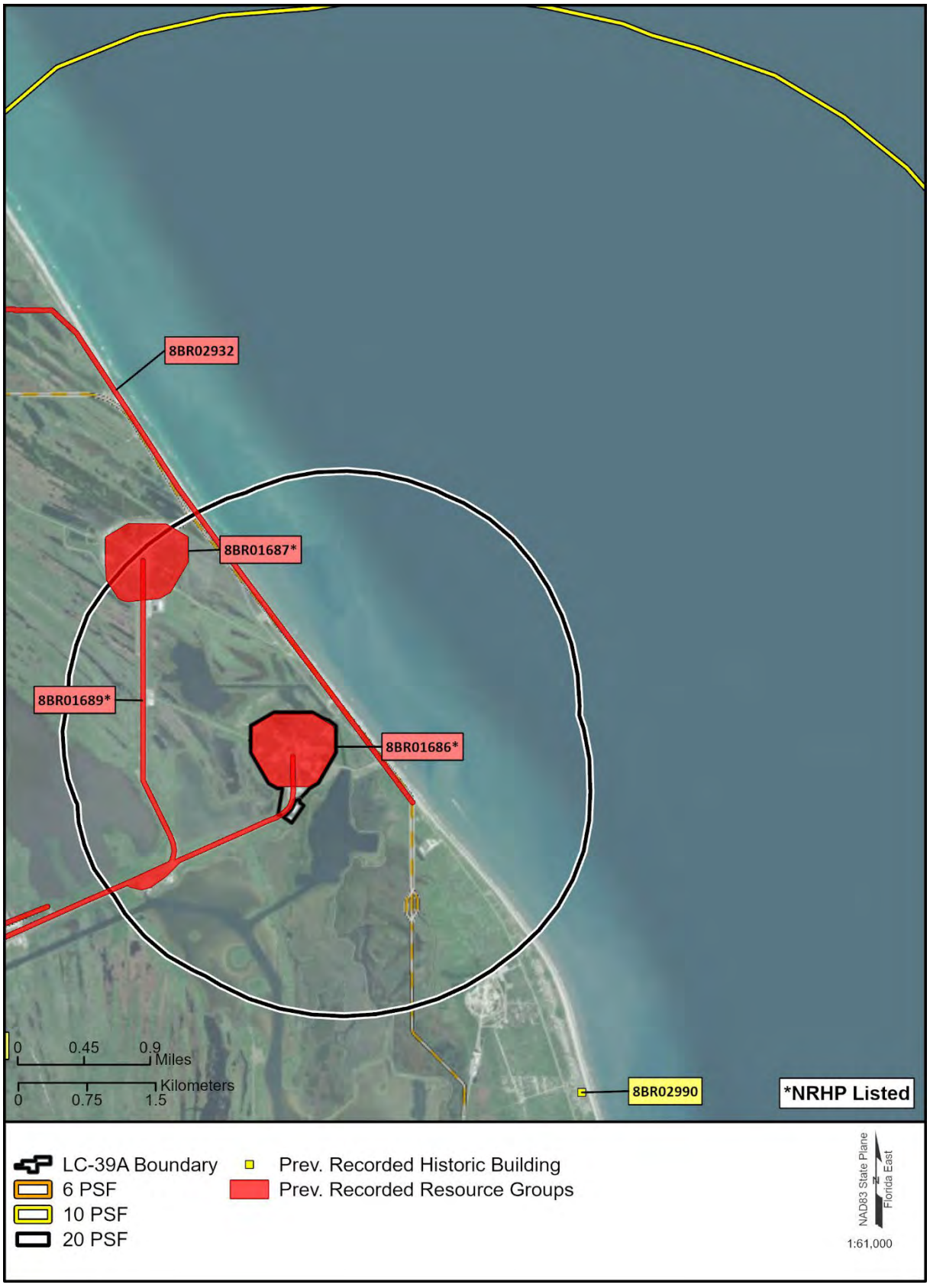

Figure 6. Historic Sites 4

Figure 7. Historic Sites 5

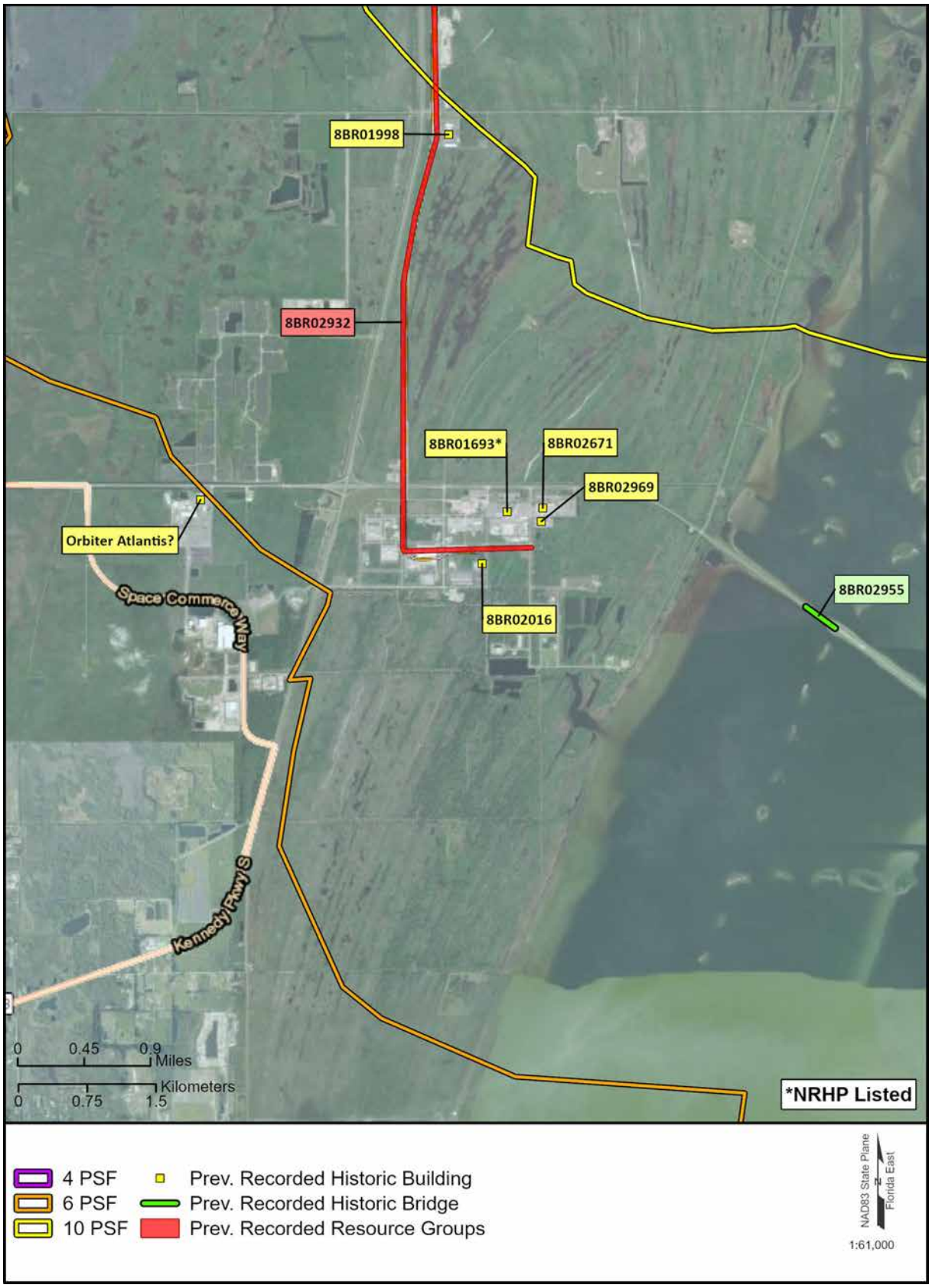

Figure 8. Historic Sites 6

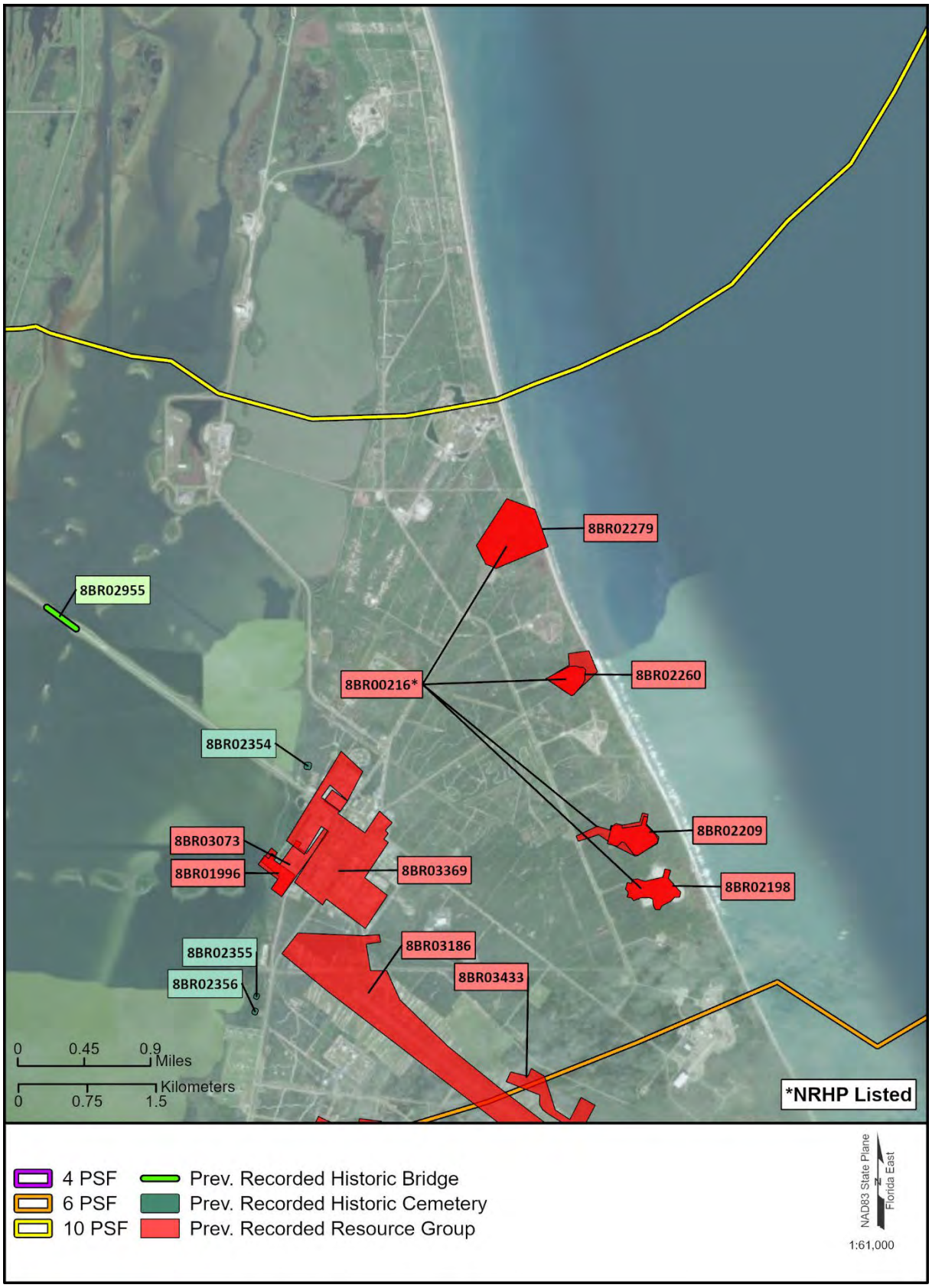

Figure 9. Historic Sites 7

Figure 10. Historic Sites 8

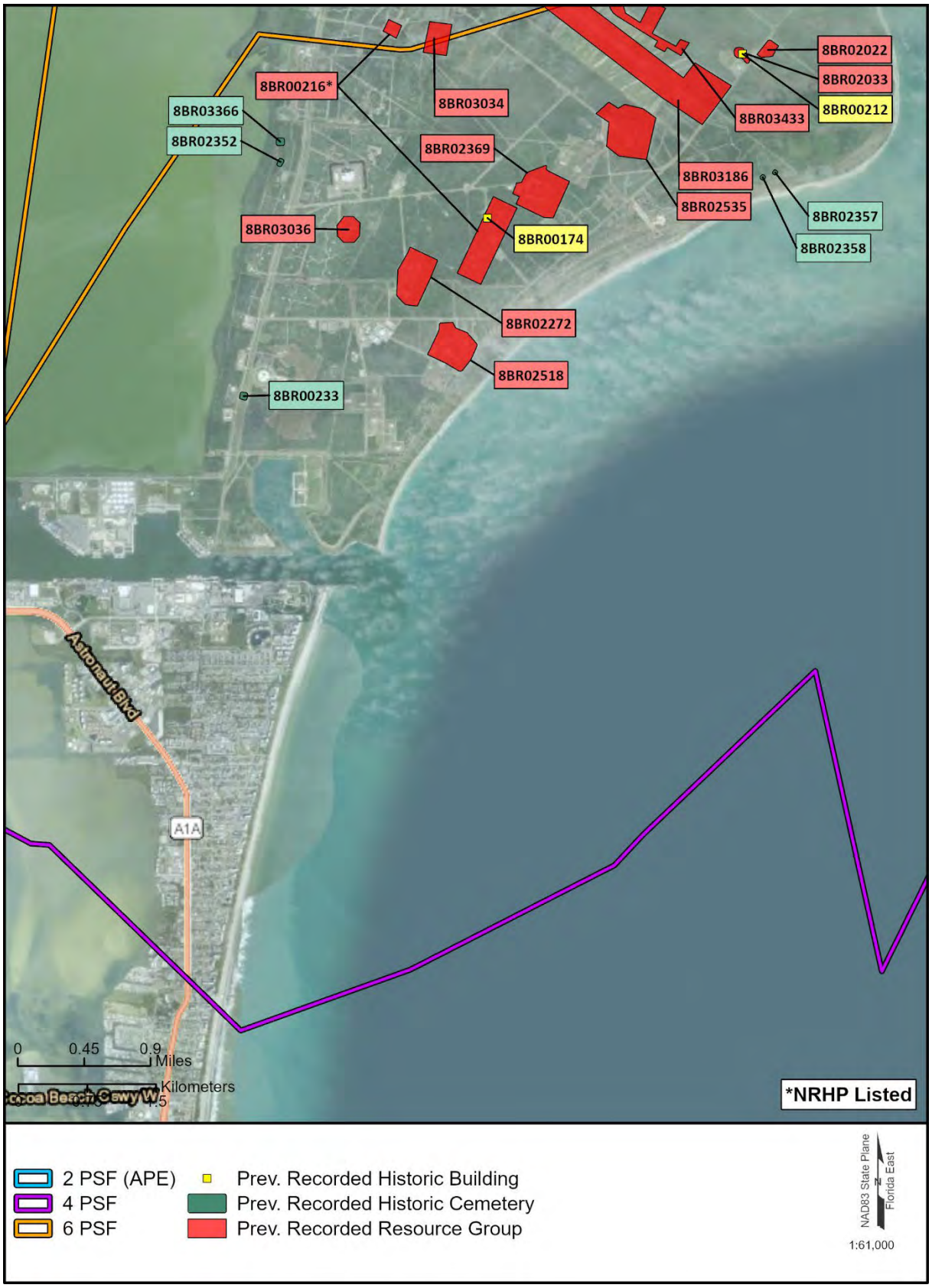

Figure 11. Historic Sites 9

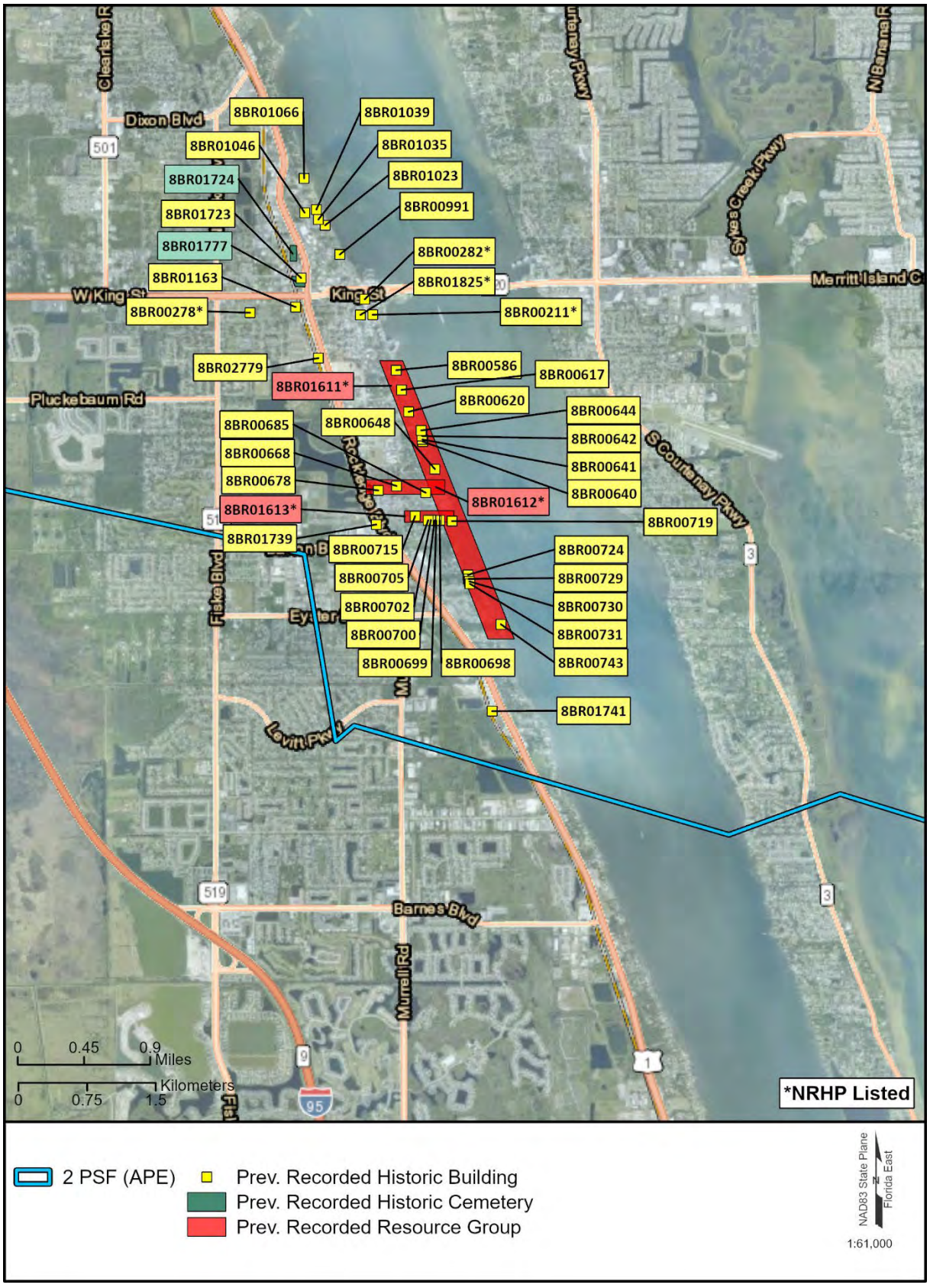

Figure 12. Historic Sites 10


S Atlantic Ave
N Highway A1a
8BR01975
8BR02440
A1A
S Tropical Trl
8BR02438
S Highway A1a
8BR02170
8BR02076
8BR02181
Pineda Cswy
404
S Tropical Trl
0 0.45 0.9 Miles
0 .75 1.5 Kilometers
A1A
Jackson Ave
2 PSF (APE)
Prev. Recorded Resource Group
NAD83 State Plane Florida East
1:61,000

Figure 13. Historic Sites 11

3.2. Public Parks and Recreations Areas

To identify public parks and recreation areas, the FAA used a minimum threshold of 60 decibels (dB) C-weighted day-night level (CDNL) to identify areas that may experience noise impacts. CDNL is a metric that considers the full experience of impulsive sounds, which includes sonic booms. A noise level of 60 dB CDNL is commonly used by the FAA as a threshold to evaluate potential Section 4(f) use based on noise impacts. DOT regulations at 14 CFR Part 150 §150.7 establish that noise-sensitive land uses, such as residential areas, are generally not compatible with noise levels greater than 65 db. For impulsive noises (i.e., sonic booms), the FAA uses 60 dB as the threshold level above which not all land uses are considered compatible.[6] Land-use noise compatibility analysis considers the effects of noise on special management areas, such as national parks, NWRs, and other sensitive noise receptors, where a quiet setting is a generally recognized purpose and attribute. Once the overlay area of 60 dB CDNL was created, the FAA identified parcels with publicly owned parks and recreation areas within those limits. Potential publicly owned, publicly accessible Section 4(f) resources were identified by reviewing datasets published within the Florida Statewide Parcel dataset published by the Florida Geographic Information Officer, which "contains a subset of property tax roll information provided by each of Florida's 67 county property appraisers" (Florida Geographic Information Officer 2025). GIS data from Florida Natural Areas Inventory, Florida Department of Environmental Protection, and the University of Florida Geoplan Center were also reviewed and incorporated into the Proposed Action's mapping. SpaceX and its consultant investigated the probable officials with jurisdiction by first noting the ownership of each parcel and then reviewing the federal, state, or local agency's website to identify a specific person or role that would be considered the official with jurisdiction, according to "Officials with Jurisdiction: Consultation and Decision Making" in the 2012 FHWA Policy Paper (Questions 9A to 9C). Aside from historic sites (which were identified in the Section 106 process), and for the purposes of this Proposed Action, the FAA has presumed the identified properties are significant. Assumptions of significance are commonly made when an official with jurisdiction cannot confirm significance or when a management plan for a resource, if one exists, does not address significance.

There are 92 publicly owned, publicly accessible recreation areas **(Figures 14-18**). The 92 recreation areas can be organized into five broad categories: park, water access, campground, golf course, and trail. The attributes of each are described in Sections 3.2.2 to 3.2.3. Notably the majority are owned by Brevard County, including the School Board of Brevard County. Of the 92 recreation areas, approximately two-thirds (61) are owned and managed by Brevard County, including 20 school parks managed by the School Board of Brevard County. The county's holdings include 35 parks, one trail, and six water access sites. Forty-one recreation areas are under the jurisdiction of eight individuals within the Brevard county government. Unless otherwise noted in the table located in **Appendix A**, Brevard County resources are open from dawn to dusk, as

[6] Noise levels are expressed in logarithmic dB. The EIS outlines that normal speech has a sound level of approximately 60 dB and that sound levels above 120 dB begin to be felt inside the human ear as discomfort. The EIS also considers A-level db (dbA), which represent sound levels that have been adjusted to account for frequencies best heard by the human ear.

confirmed by Brevard County administrative staff on March 11, 2025. Available information regarding Brevard County parks within the project limits indicates that at least two parks are open as late as 10:00 p.m. approximately once a month to show movies outdoors.

The remaining 31 resources are under the jurisdiction of the Indian River School Board (1 resource), the Canaveral Port Authority (2 resources), the City of Cape Canaveral (7 resources), City of Cocoa (7 resources), the City of Cocoa Beach (7 resources), The City of Rockledge (3 resources), the City of Titusville (1 resource), and the State of Florida (3 resources). The table provided in **Appendix A** summarizes the name, location, attributes, and officials with jurisdiction of the 92 park and recreation areas.

3.2.1. Parks

Parks generally have a combination of two or more of the following elements: playgrounds, bike/pedestrian path, exercise circuits, dog parks, pavilions, picnic areas, recreational fields (baseball/soccer), and water access for fishing and/or a boat ramp. This includes playgrounds at public schools that can be accessed by the public outside of school hours, for example in the evenings before dusk and on the weekends.

3.2.2. Trails

The Trails category includes those parcels that provide formalized walking trails through Florida's ecosystems. Generally, development for these resources is limited to the trail network with intermittent examples of other attributes such as playgrounds, large picnic areas, recreational fields, or restrooms. The trails within these parcels are formally designated and not passively developed throughout time as the result of informal use.

3.2.3. Water Access

Water access sites are those that primarily serve the boating community with boat ramps and portages. Some hold a single picnicking pavilion, restrooms, and space for shoreland-based fishing.

3.2.4. Golf Courses

There is one publicly owned, publicly accessible golf course in the project area. Cocoa Beach Country Club, features three courses, 27 holes, and 45–50 sand bunkers per course. Greens fees are charged, and tee times are scheduled through the club's website, which is hosted by the City of Cocoa Beach. The courses are open from 6:45 a.m. to 8:00 p.m., and its website indicates the course can be closed based on weather conditions (City of Cocoa Beach, 2025).

3.2.5. Campgrounds

There are two campgrounds in the project area and they are open year round. Collectively the campgrounds provide at least 408 recreational vehicle (RV) sites and 60 tent sites. The campground at Jetty Park in Cape Canaveral provides 245 RV and 41 tent sites. The campground is one of the many features Jetty Park provides, in addition to popular day use areas including a

beach and fishing pier. Manatee Hammock Campground holds 163 RV sites and 19 tent sites between the Indian River and US Route 1 in Titusville.

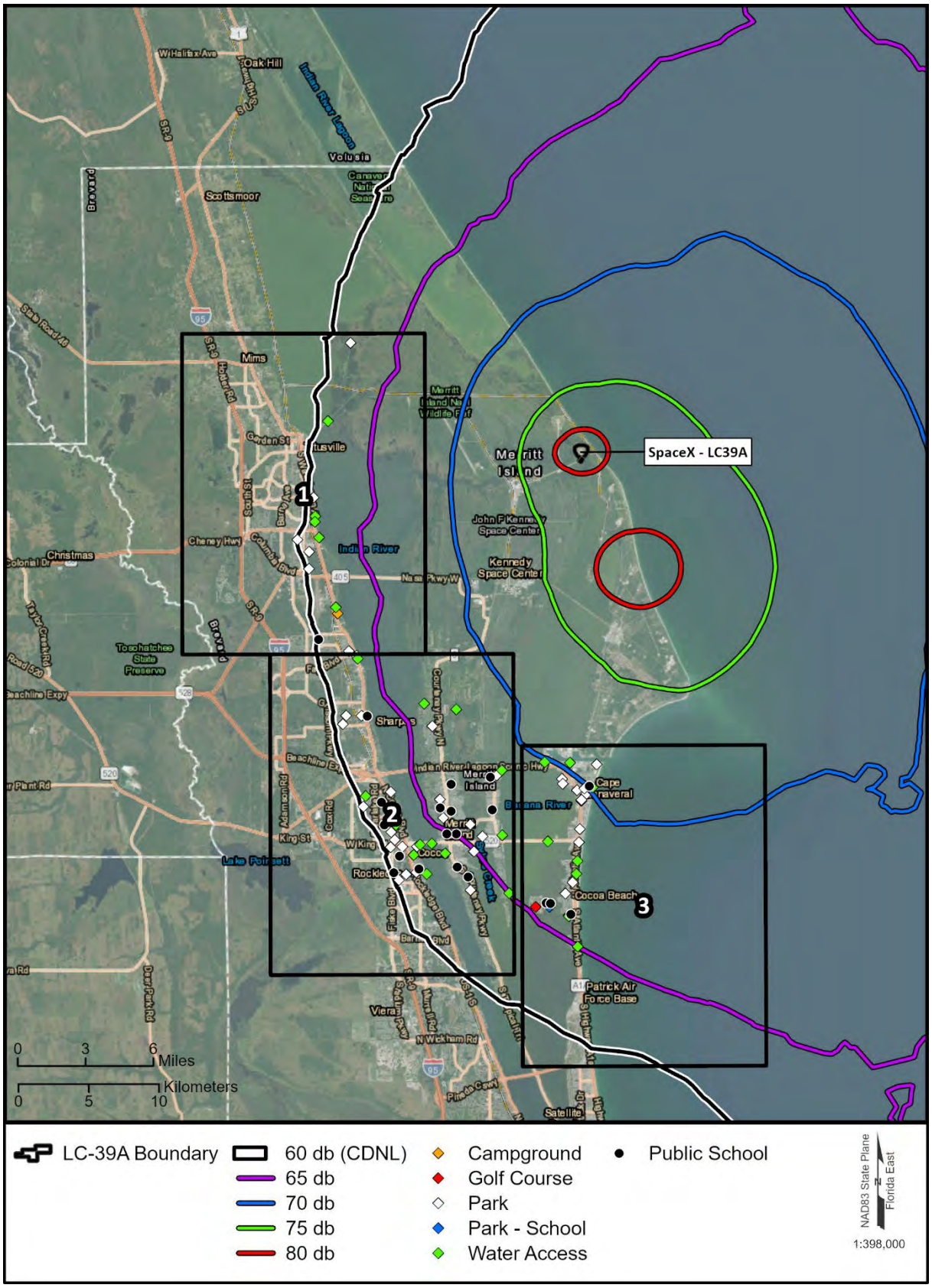

Figure 14. Public Parks and Recreation Areas Overview

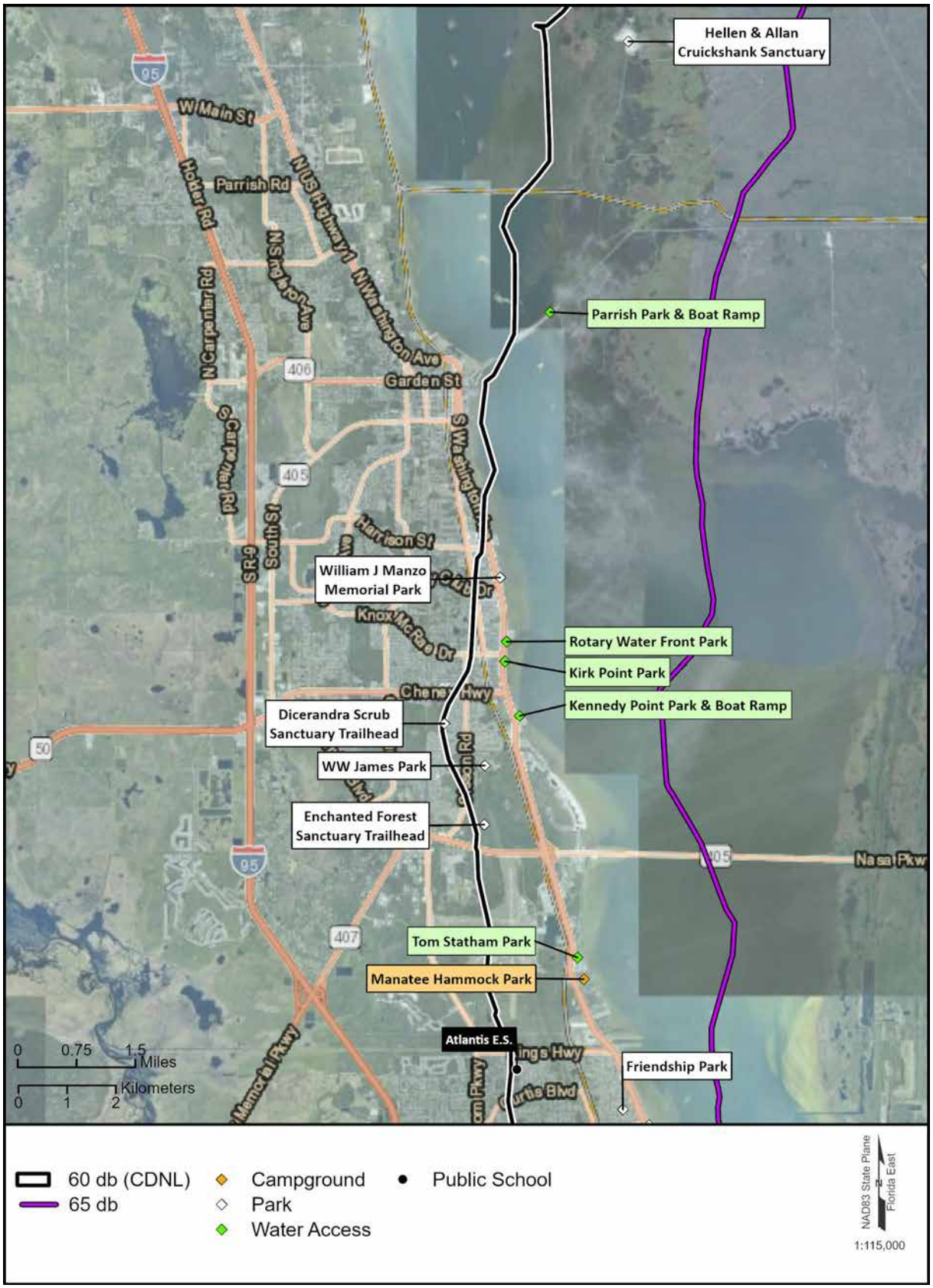

Figure 15. Public Parks and Recreation Area 1

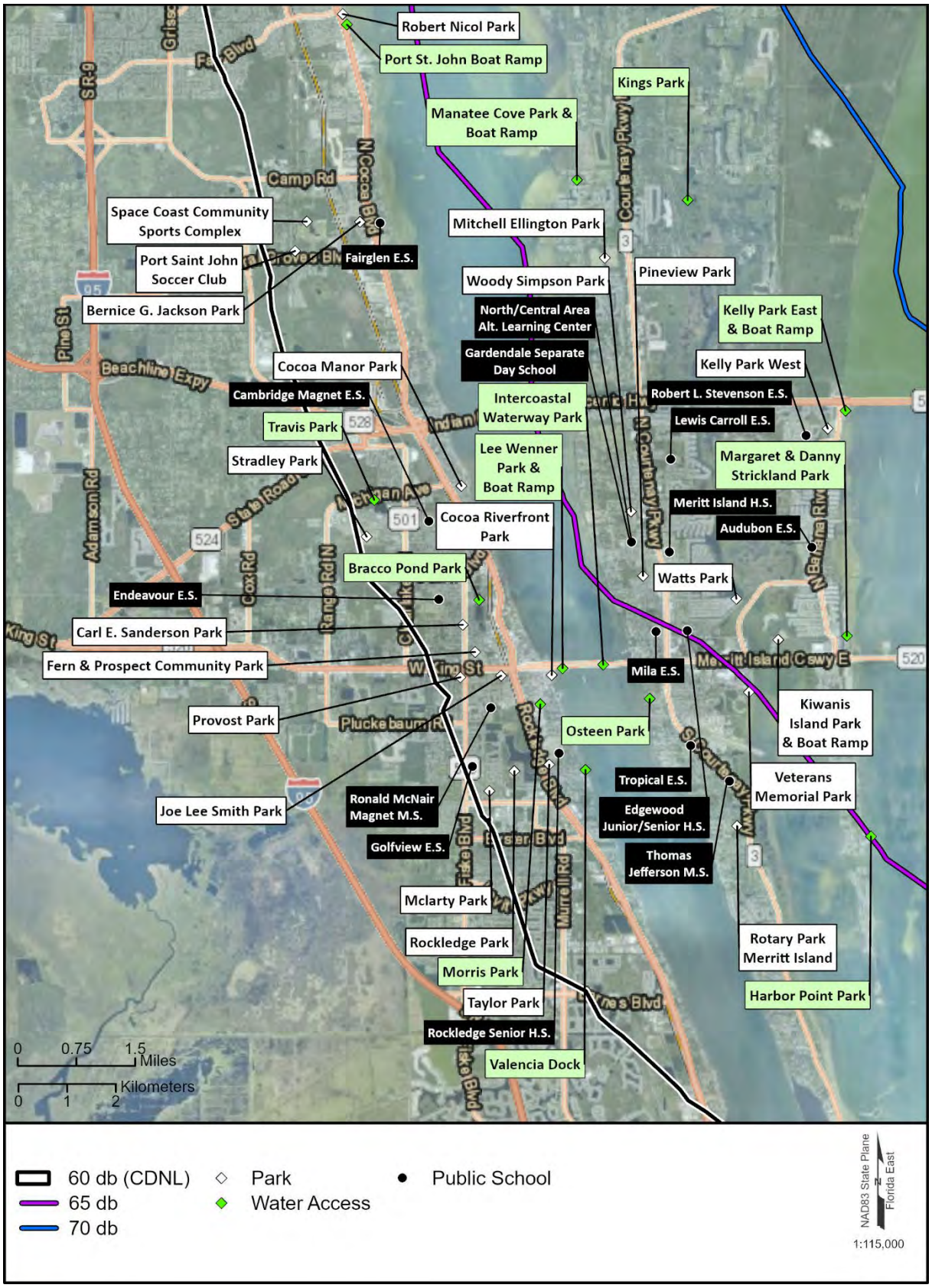

Figure 16. Public Parks and Recreation Area 2

Figure 17. Public Parks and Recreation Area 3

3.3. Wildlife and Waterfowl Refuges

There are 70 federal, state, or locally owned conservation areas that meet the definition of a wildlife and waterfowl refuge **(Figures 18-31)**. Wildlife and waterfowl refuges are those locally, state, or federally owned lands with primary purposes to conserve, restore, or management of wildlife or waterfowl resources including but not limited to endangered species and their habitats.

The NEPA study area for biological resources was used as the project area to identify potential wildlife and waterfowl refuges. The study area was set based on areas that would experience the introduction of no less than 1 pounds per square foot (psf) overpressure and no less than 60 dB CDNL during SSH operations. The study area was developed considering the construction phase of the project and the operational aspects of SSH. The former is centered on the construction area at LC-39A and the latter considers the introduction of noise and vibratory elements of SSH operation.

The limits of the 1 psf and 60 dB CDNL were used to create a map that could be compared against the publicly available parcel ownership data throughout the limits of each threshold. Similarly to how public parks and recreation areas were identified, FAA identified publicly owned parcels used for wildlife management, conservation, and refuges. These parcels were only categorized as wildlife and waterfowl refuges if publically available information such as management plans or websites indicated its primary purpose was related to the conservation, restoration, or management of wildlife or waterfowl and their habitat.

The FAA and SpaceX identified that the SSH return activities would introduce noise in the areas the Return to Launch Sites (RTLS) trajectories. FAA developed contours greater than or equal to 1 psf associated with the sonic boom overpressures that may occur with reentry. The RTLS contours largely overlap with the 1 psf contours established for SSH operations. These contours are shown in **Figures 18-31**. The RTLS area includes 18 wildlife and waterfowl refuges including one National Wildlife Refuge.

The FAA and SpaceX also identified a contingency landing area of 1psf in the Atlantic Ocean (**Figure 18**). This landing area has a reduced likelihood of landings as compared to the operational area. The contingency area includes 52 wildlife and waterfowl refuges. SpaceX and the FAA anticipate that the contingency landing area may be used up to five times per year. The contingency landing area is shown in **Figures 18-31**.

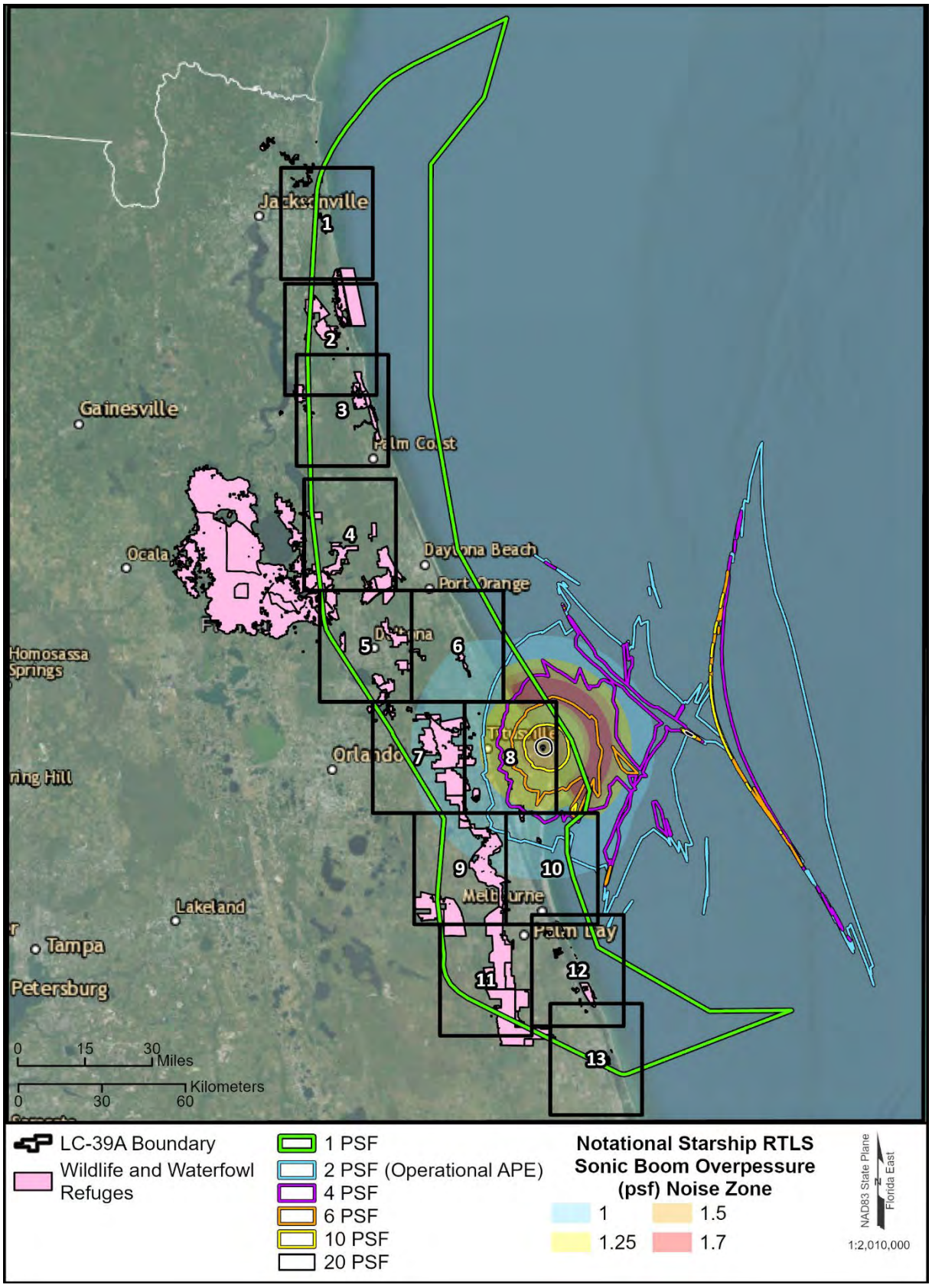

Figure 18. Wildlife and Waterfowl Refuges Overview

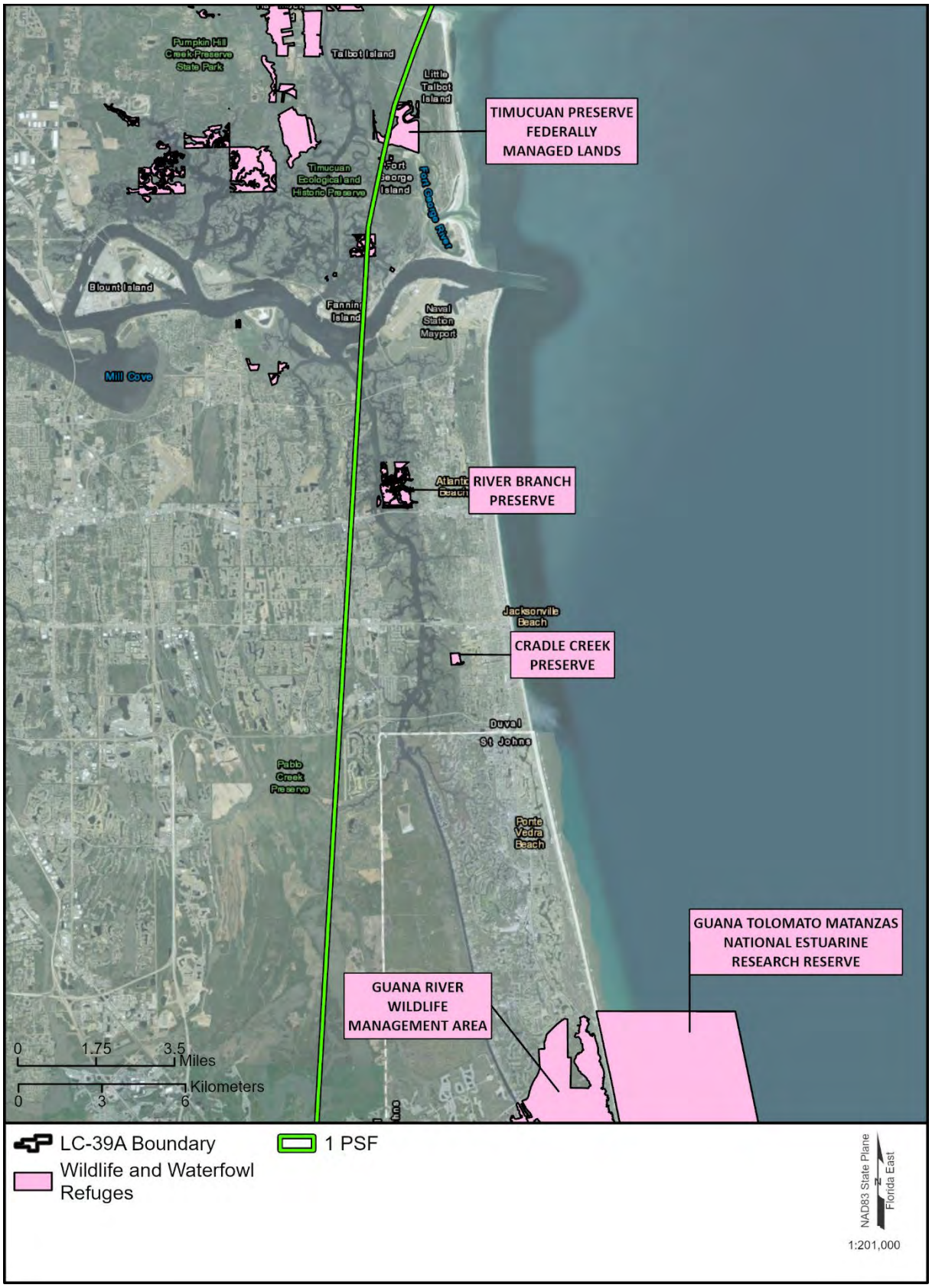

Figure 19. Wildlife and Waterfowl Refuge 1

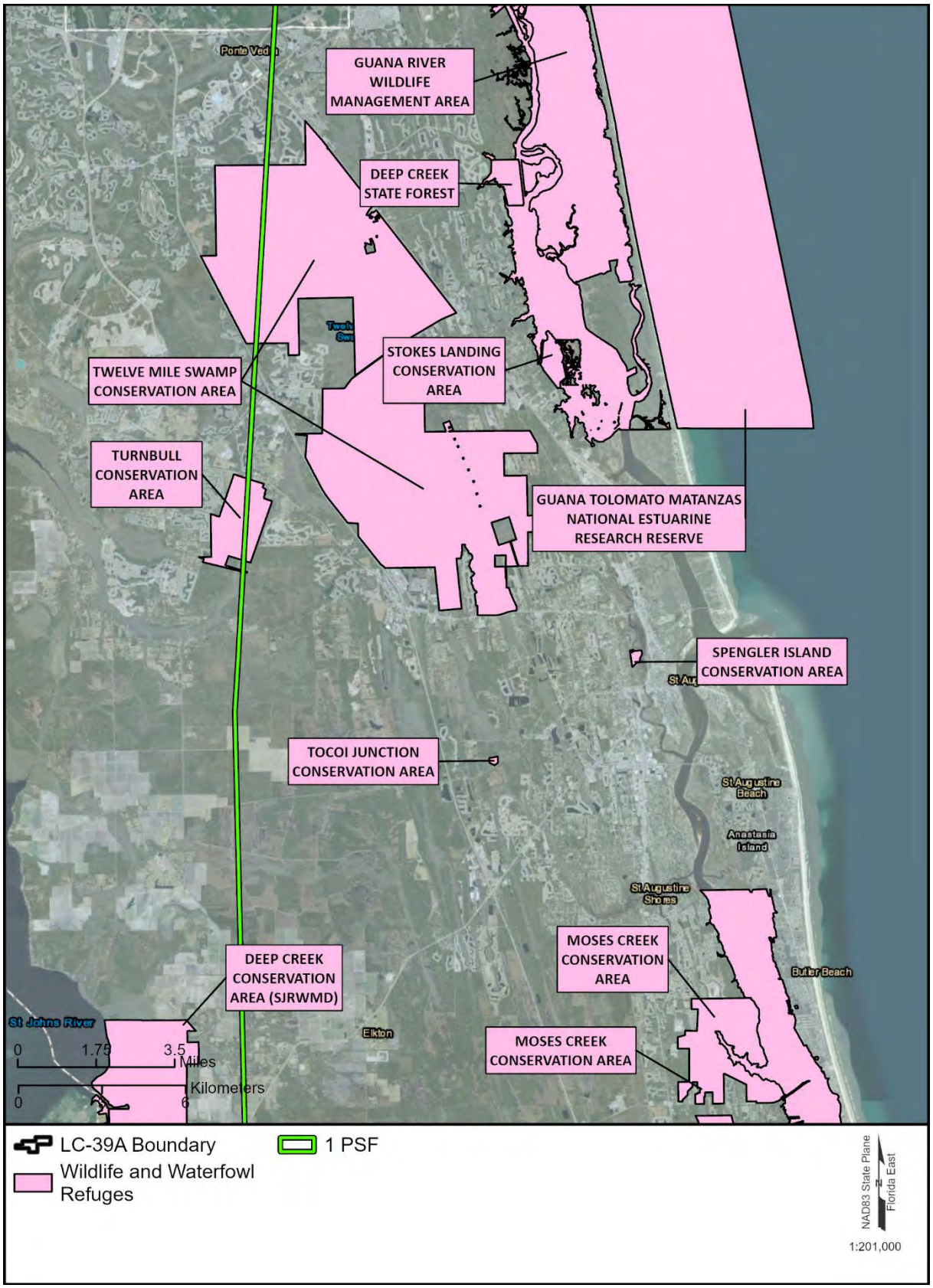

Figure 20. Wildlife and Waterfowl Refuge 2

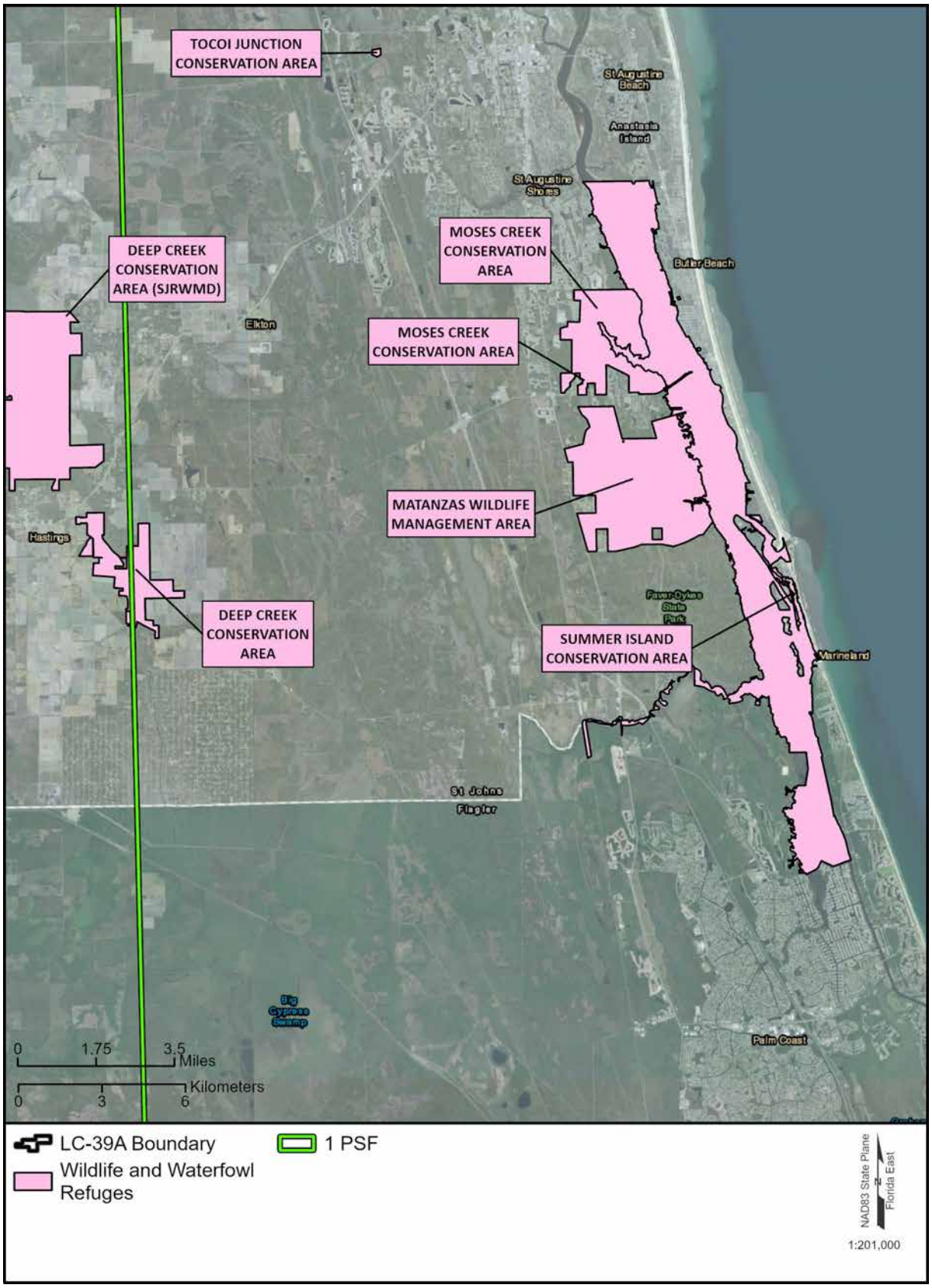

Figure 21. Wildlife and Waterfowl Refuge 3

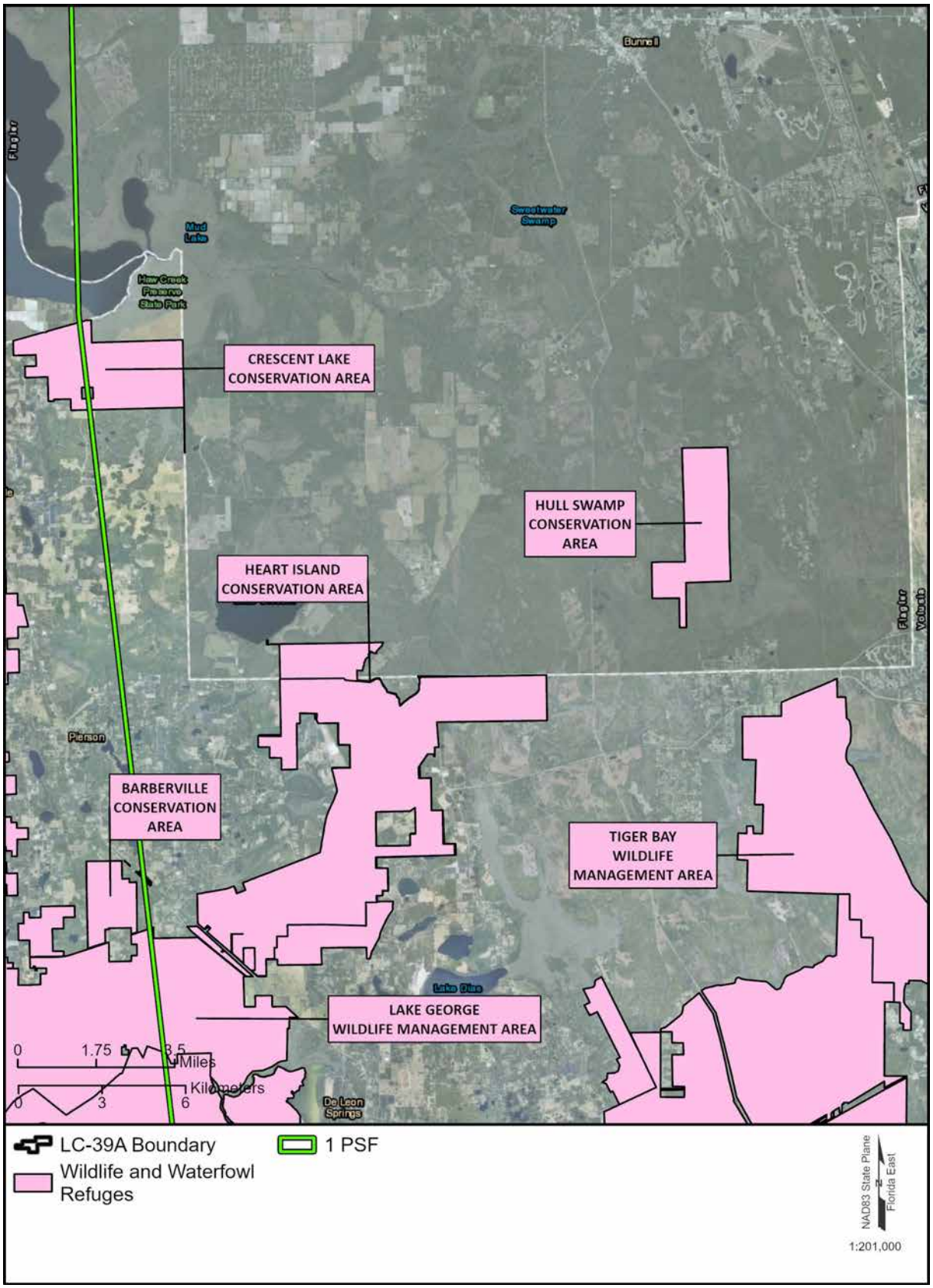

Figure 22. Wildlife and Waterfowl Refuge 4

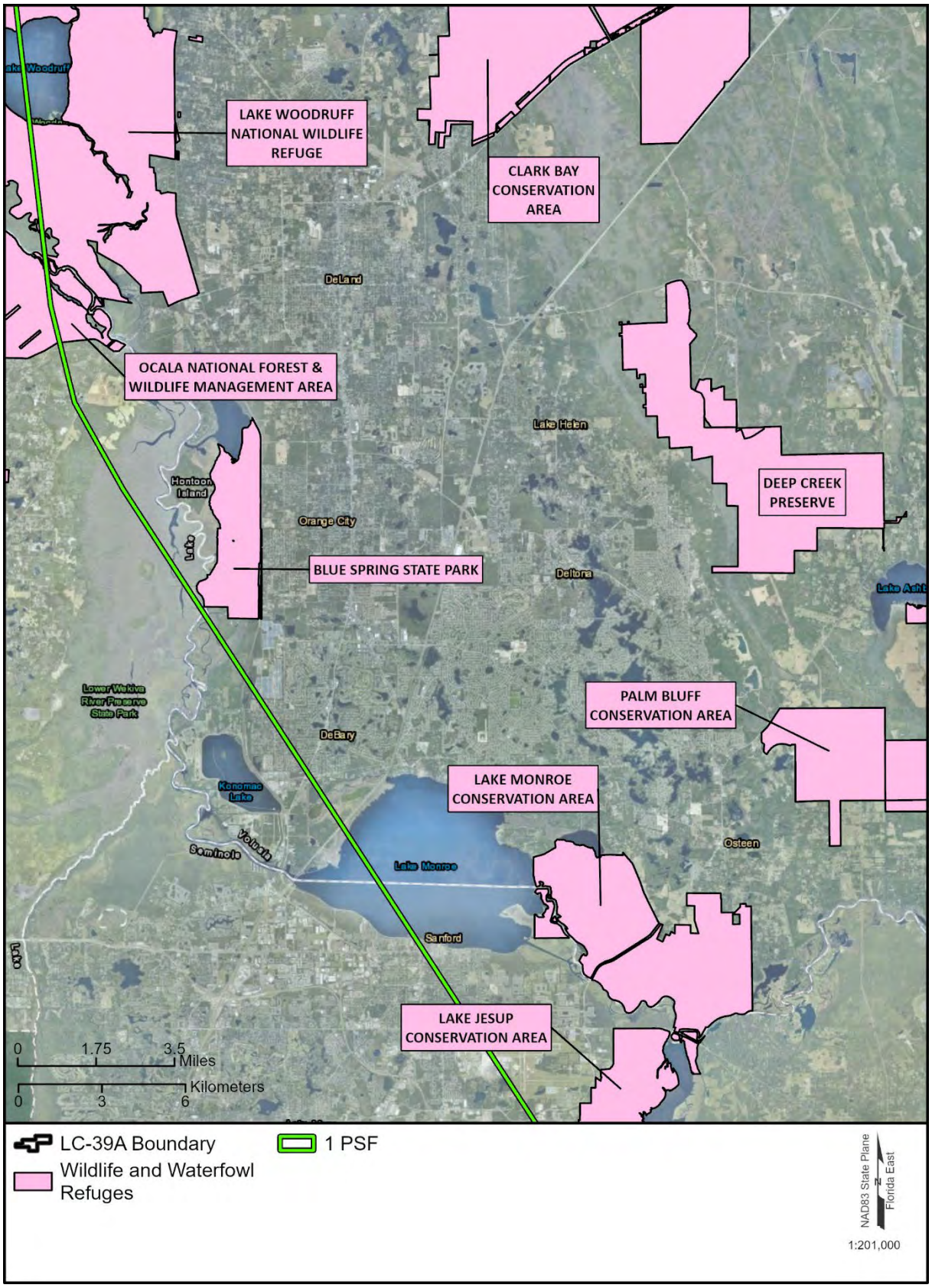

Figure 23. Wildlife and Waterfowl Refuge 5

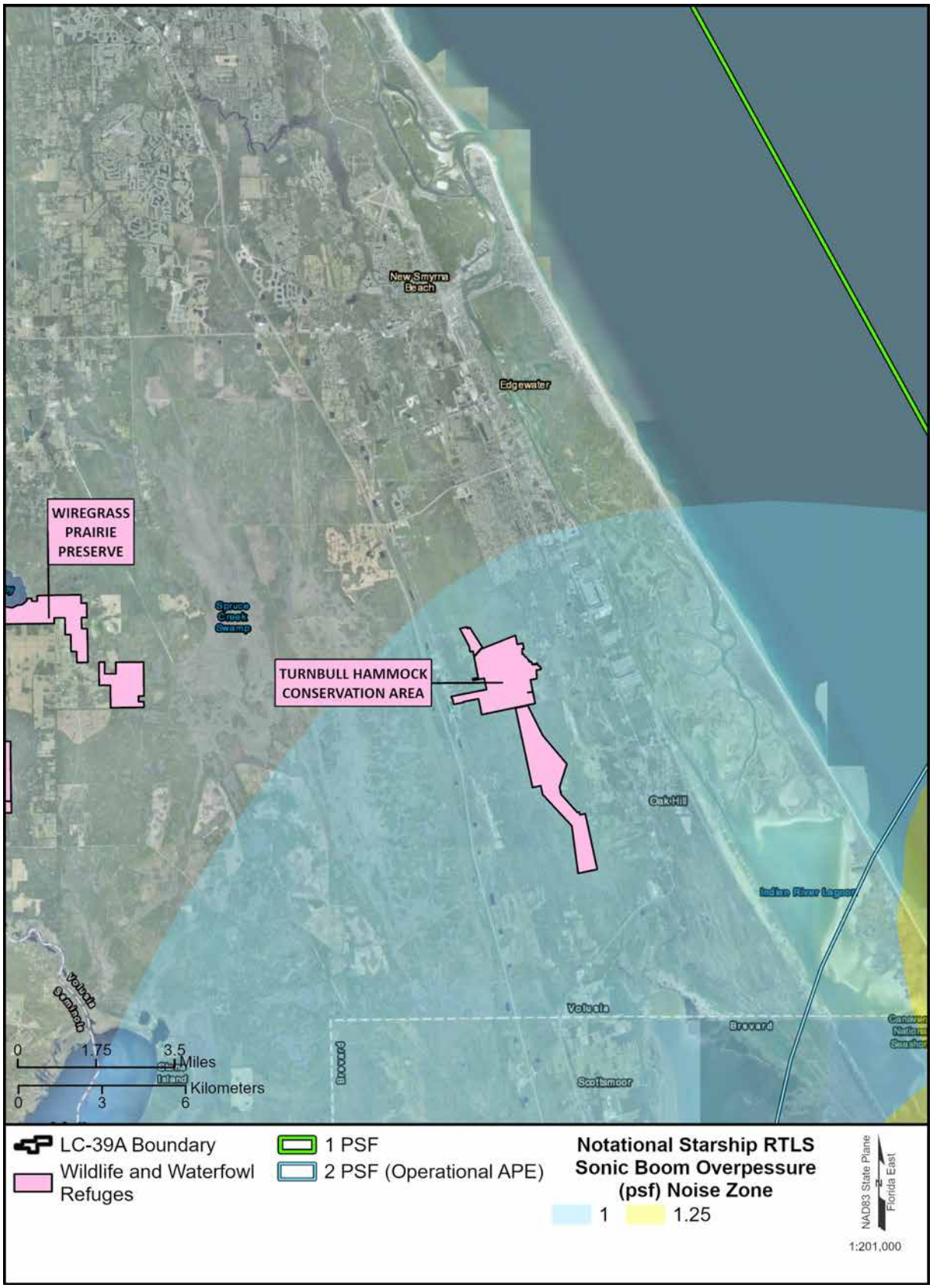

Figure 24. Wildlife and Waterfowl Refuge 6

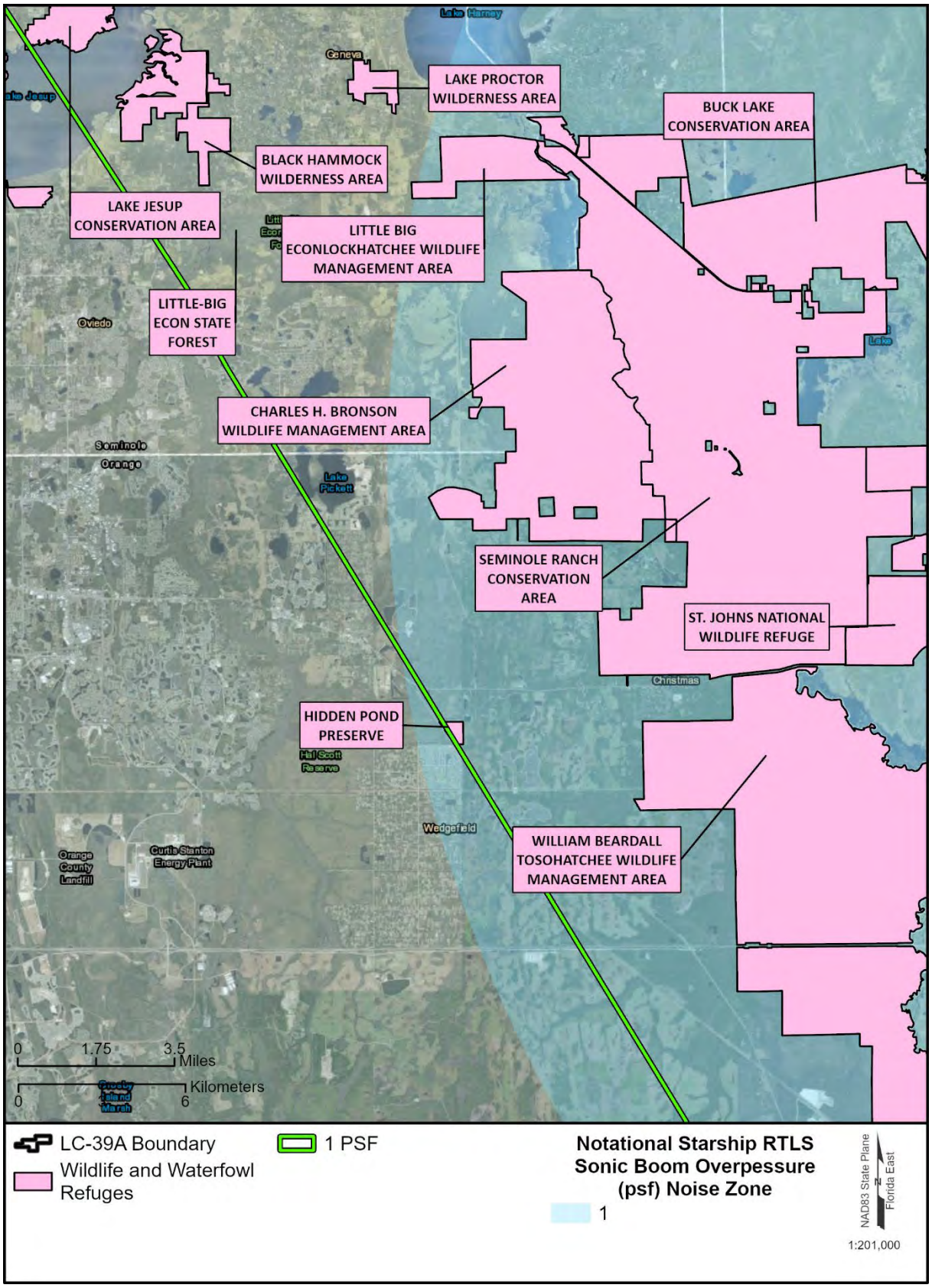

Figure 25. Wildlife and Waterfowl Refuge 7

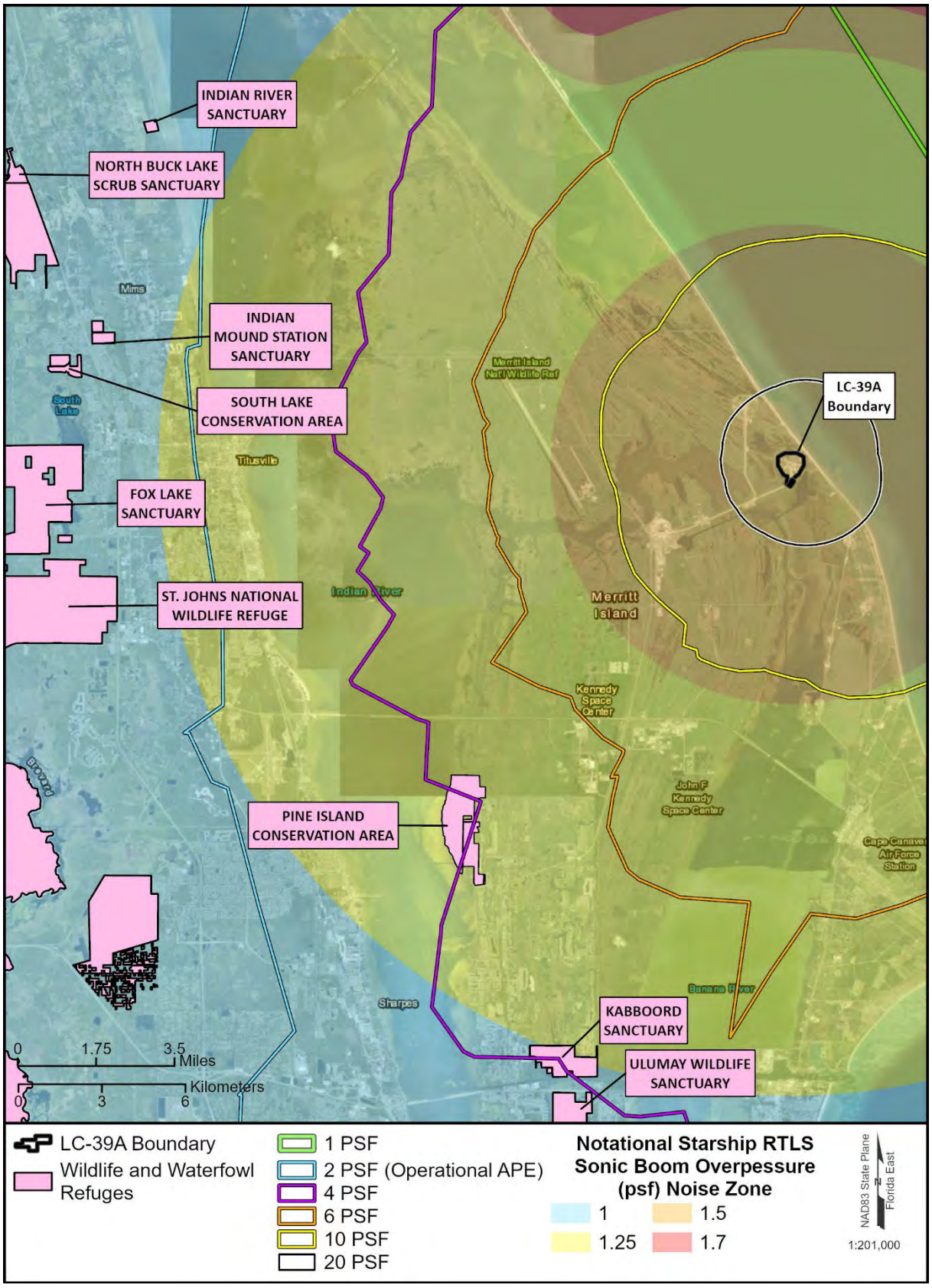

Figure 26. Wildlife and Waterfowl Refuge 8

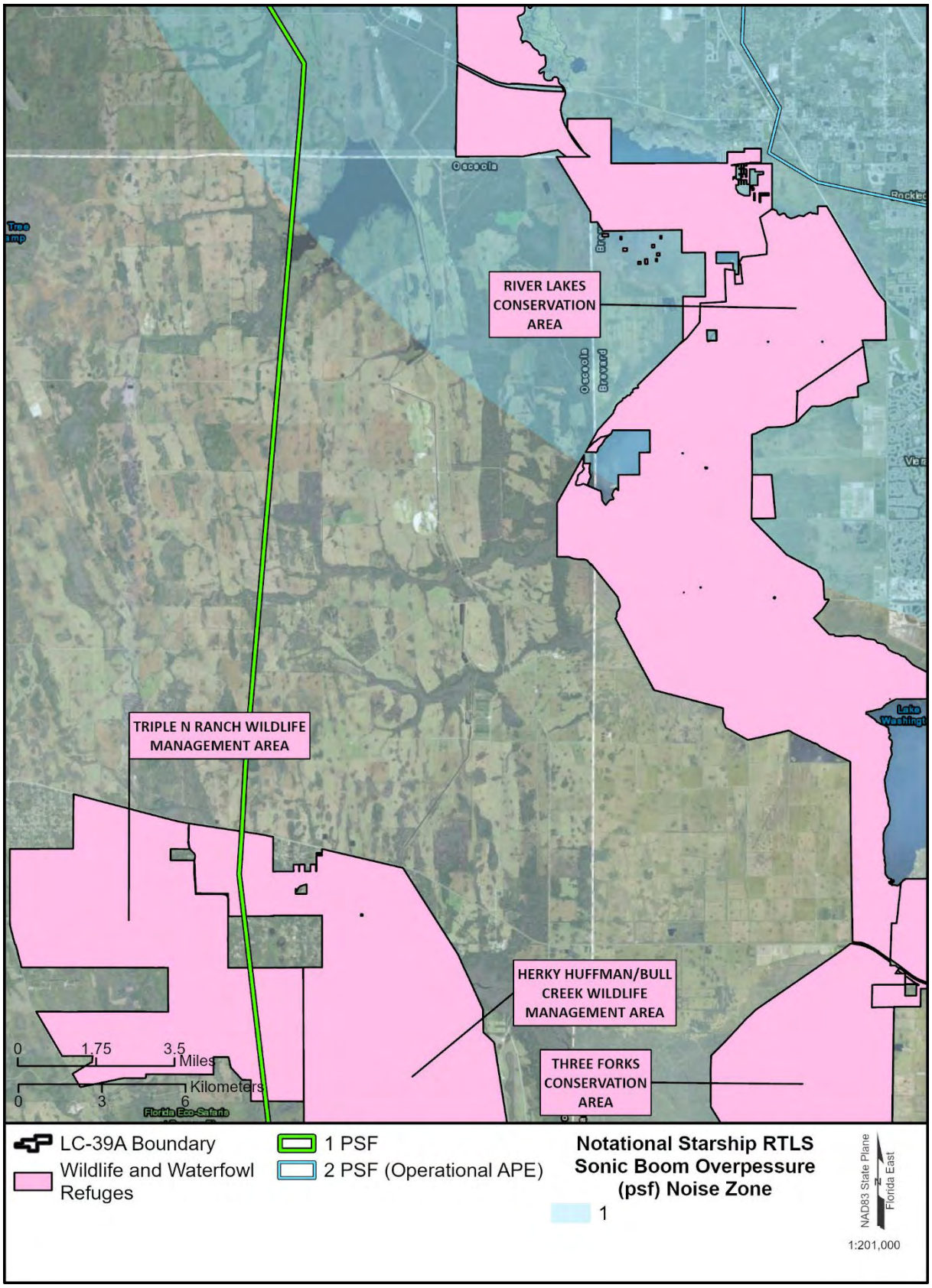

Figure 27. Wildlife and Waterfowl Refuge 9

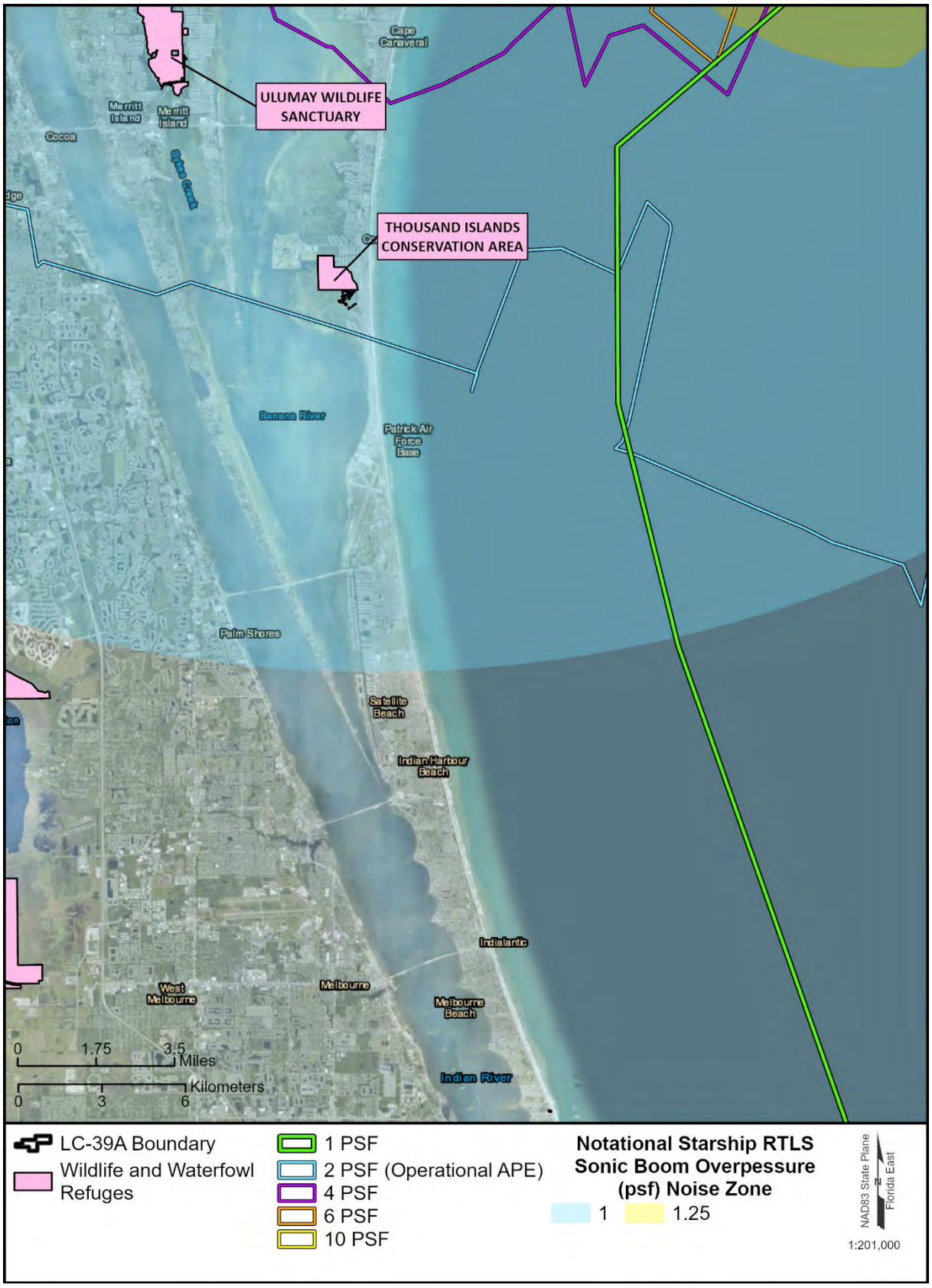

Figure 28. Wildlife and Waterfowl Refuge 10

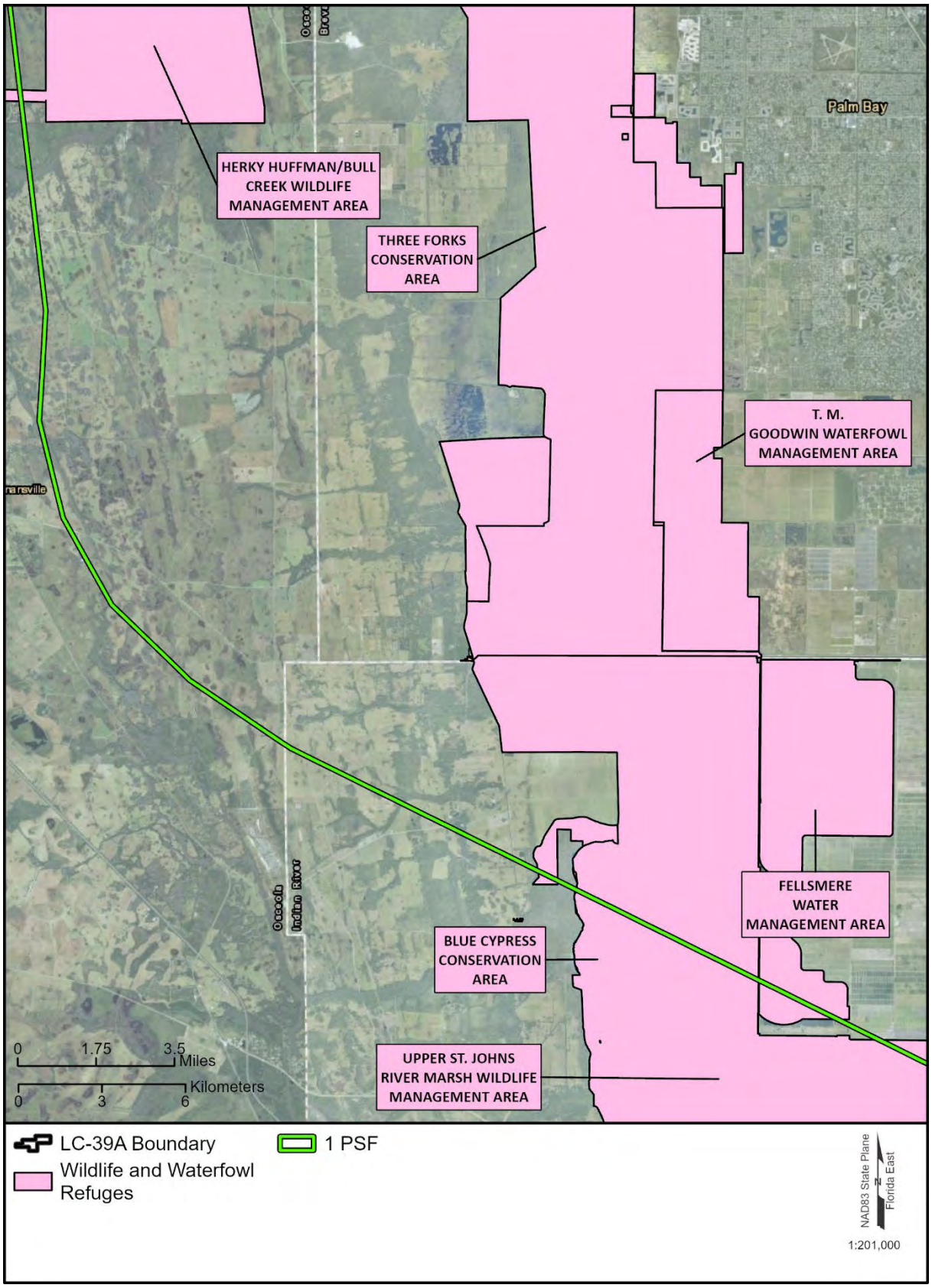

Figure 29. Wildlife and Waterfowl Refuge 11

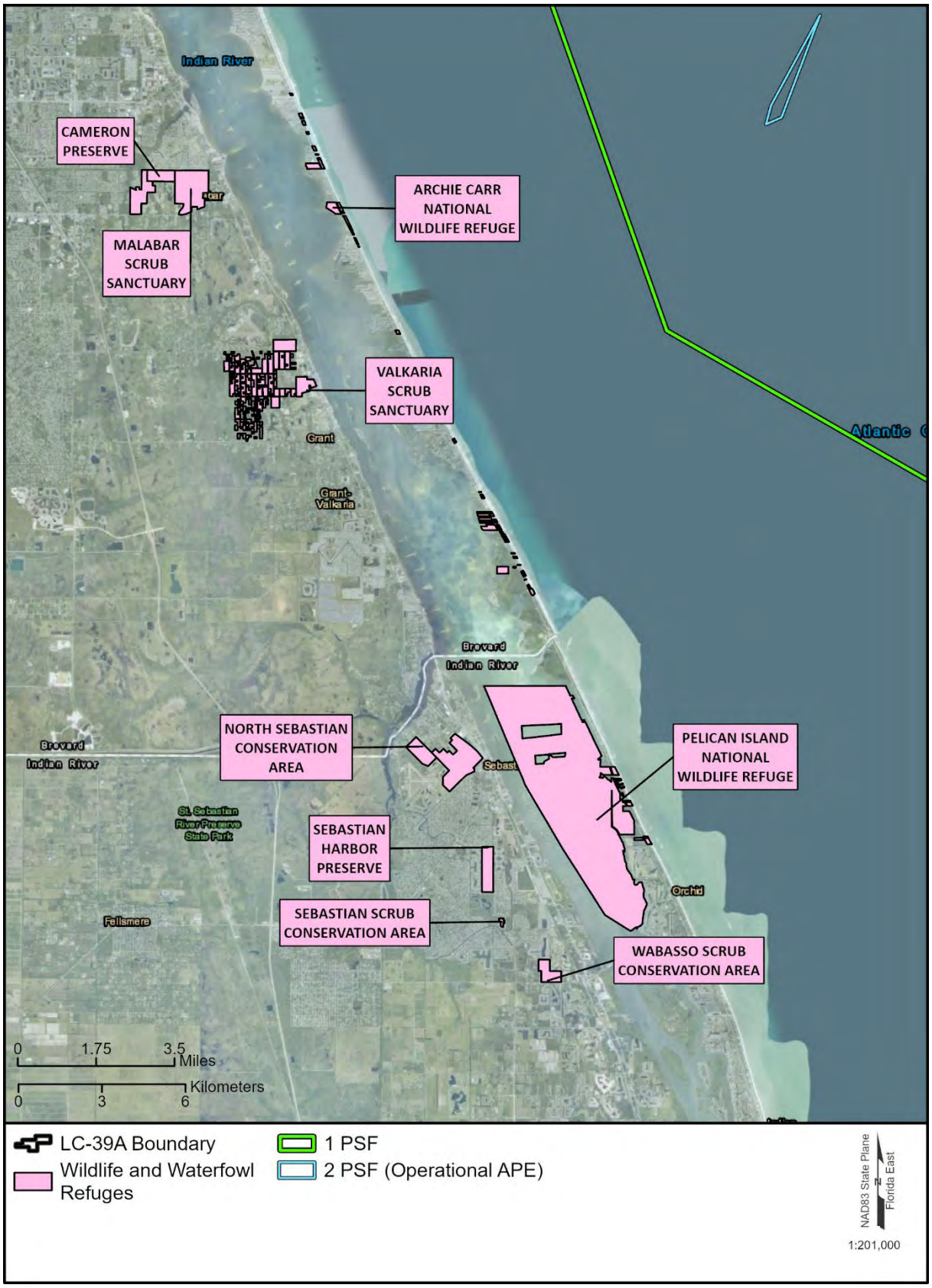

Figure 30. Wildlife and Waterfowl Refuge 12

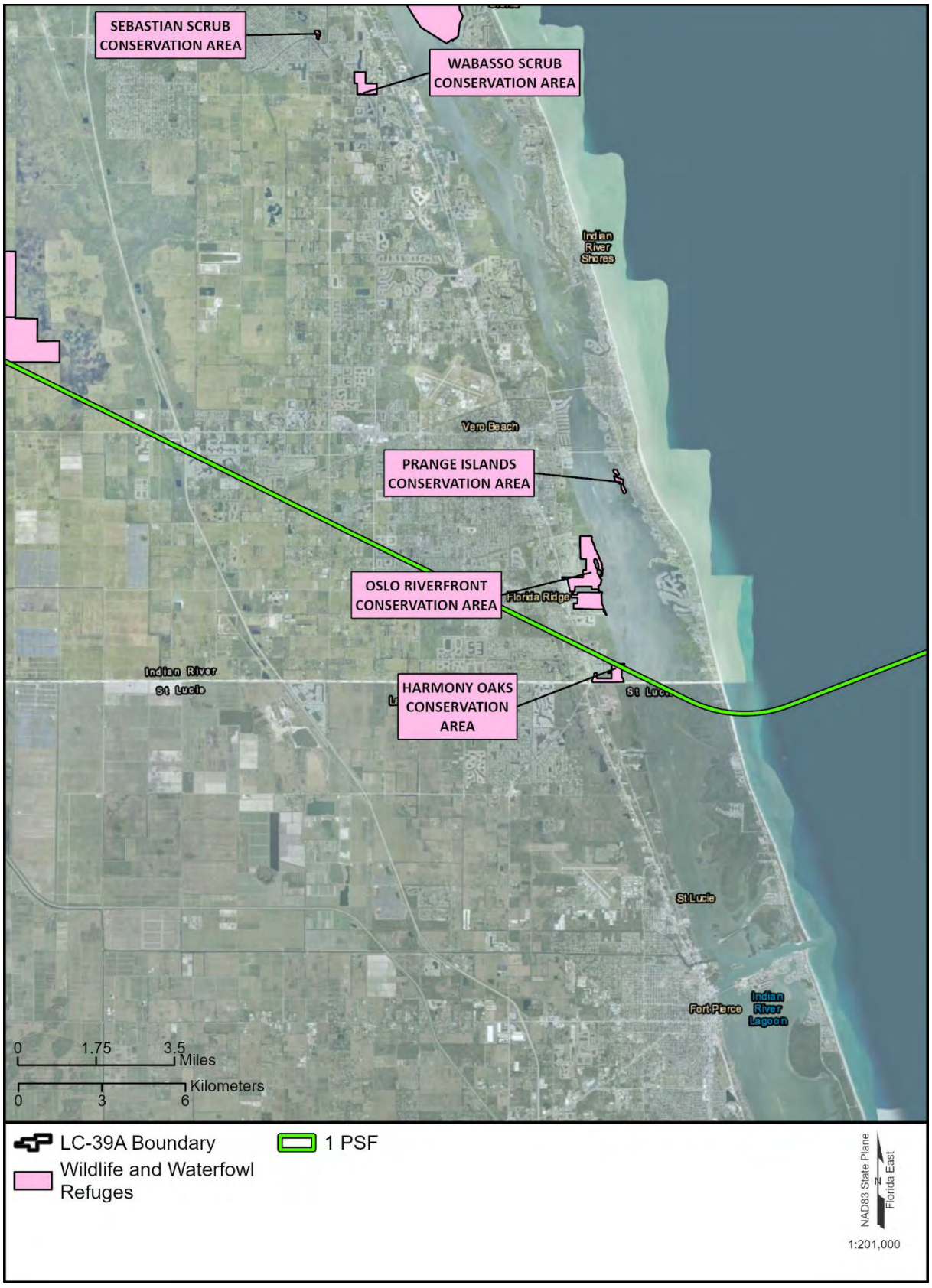

Figure 31. Wildlife and Waterfowl Refuge 13

4. Section 4(f) Use

The outcome of the following analysis of the effects of the Proposed Action on Section 4(f) resources is that the Proposed Action does not result in Section 4(f) use, as defined at 23 CFR 774.17. The FAA does not propose to permanently incorporate land into transportation use, nor will it require temporary occupancy or permanent easement of lands from Section 4(f) resources. Thus, the primary focus on this Section 4(f) Use Determination Report is an evaluation of whether the Proposed Action would result in a constructive use of Section 4(f) Resources.

Constructive use is defined as "the absence of permanent incorporation or temporary occupancy" and when "the proximity impacts of a project on adjacent or near-by Section 4(f) property, after incorporation of impact mitigation…the attributes which qualify the property for protection under Section 4(f) are substantially impaired" (FHWA 2012 and 23 CFR 774.17). In 2012, FHWA expanded on this definition in its Section 4(f) Policy Paper, writing, "as a general matter this means that the value of the resource, in terms of its Section 4(f) purpose and significance, will be meaningfully reduced or lost" (FHWA 2012). Additionally, FHWA clarified that the assessment for constructive use should be based on the impact that is directly attributable to the project under review, not the overall impacts to a Section 4(f) property from multiple sources over time. Finally, the FHWA clarified that if potential constructive use can be reduced to below substantial impairment by the inclusion of mitigation measures, Section 4(f) will not apply.

4.1. Constructive Use Determination Methodology

When considering if the project would substantially impair Section 4(f) resources, and thus constitute a constructive use, the FAA used the following methodology. First, information about the resource's Section 4(f) attributes (e.g., historic significance for historic sites, primary purpose for public parks and recreation sites) was reviewed and noted in **Appendix A. Appendix A** is a table which lists the resource by name and addresses, the identified OWJ, and summarizes the assumed attributes of significance.

Resources used to identify these attributes varied based on the type of Section 4(f) resource. The CRAS conducted for Section 106 of the NHPA was used for historic sites. The FAA reviewed available websites for each of the public parks and recreation areas, as well as wildlife and recreation areas. The FAA also reviewed management plans of those resources, as available. The FAA then considered the draft results of the EIS and the consultation documentation for Section 106 of the NHPA, Section 7 of the Endangered Species Act (ESA) and Chapter 3: Affected Environment and Environmental Consequences, which evaluates if the project will have environmental impacts. These findings were used to understand if potential environmental impacts would result in significant impairment of Section 4(f) resources.

The operational area of the proposed project subject to noise and vibration introductions comprises a large area (See **Figures 2, 14, and 18**). With most of the Section 4(f) resources in the operational area (versus the construction area) of the project, Section 3.2 Noise and Noise Compatibility, Section 3.3 Land Use, and Section 3.8 Biological Resources of the EIS were used in

the evaluation because these sections considered the potential impacts resulting from the introduction of audio and visual elements to resources that are commonly determined to be Section 4(f) resources. The evaluation of potential constructive use also considers guidance in the FWHA Policy Paper, Section 1050.F Desk Reference, and 23 CFR 774.

Additionally, the FAA reviewed the mitigation measures included in Chapter 3 Affected Environment and Environmental Consequences of the EIS to evaluate if the measures also reduce the potential or prevent substantial impairment of Section 4(f) resources. After reviewing Chapter 3: Affected Environment and Environmental Consequences, of which Section 3.2 Noise and Noise Compatible Land Use, Section 3.3 Land Use, and Section 3.8 Biological Resources are most applicable, the FAA concluded that the mitigation measures developed for the EIS would reduce or prevent substantial impairment of Section 4(f) resources. Thus, the FAA determined development of targeted mitigation as part of the Section 4(f) process was not necessary.

The FAA sent letters of presumed significance and justification of use to the identified OWJ. If an official with jurisdiction could not be identified, a letter was sent to the relevant federal, state, or local agency with a request to forward to an individual that would be identified as or could identify the official with jurisdiction.

4.2. Historic Sites

A finding of adverse effect under Section 106 or the proposed use of land associated with a historic site requires an assessment of potential Section 4(f) use. Commonly, if the permanent incorporation of land into transportation use results in a finding of adverse effect, it will result in a Section 4(f) use. If the project requires temporary occupancy from a historic site or the permanent incorporation of land from historic sites does not result in an adverse effect, the transportation agency can process the Proposed Action as *de minimis* use. If a Proposed Action results in a finding of adverse effect to a historic property under Section 106 but does not require land use, the agency must consider if proximity impacts significantly impair the qualities of the resource that qualify it for protection under Section 4(f). This is referred to as constructive use.

The CRAS concluded that the Proposed Action is unlikely to result in adverse effects to historic properties; however, because the Section 106 consultation is ongoing, a final determination of how the undertaking will affect historic properties is not possible at this time. Thus, a Programmatic Agreement (PA) to monitor and mitigate potential adverse effects is under development by NASA. Specifically, the CRAS recommended the following for inclusion in the PA:

1. Additional efforts to identify and evaluate historic properties
2. Monitoring historic properties within different psf contours for effects
3. Monitoring sonic boom overpressure and vibration at archaeological sites

It is assumed that if monitoring reveals potential effects to architectural resources (e.g., not archaeological sites) preventative or corrective action will be taken. Actions may include the installation of systems (which meet the *Secretary of the Interior's Standards and Guidelines for the Treatment of Historic Properties*) to minimize damage to character-defining features or the

replacement-in-kind of character-defining features. It is also assumed that preventative or correction actions to architectural resources would result in a finding of no adverse effect under the PA.

The potential effects of sonic boom overpressure and vibration to archaeological sites is not currently understood. However, it is likely that the outcome of the additional efforts to identify resources recommended in the PA would confirm that the overwhelming majority, if not all, of the NRHP-eligible archaeological sites included in this assessment do not warrant preservation in place. Section 4(f) does not apply to archaeology sites that, after consultation with SHPO, THPO, federally recognized tribes, and the ACHP (if participating), are important chiefly because of what can be learned from data recovery, even if the site is not subject to a data recovery program. This condition also applies to sites that may be discovered during construction.

No land is proposed to be permanently incorporated into a transportation facility; rather, the need for the Section 4(f) analysis is SpaceX's requirement for a FAA Vehicle Operator Permit. The project does not propose temporary occupancy of land.

In the absence of permanent incorporation of land from historic sites into transportation use, temporary occupancy of historic sites, and the rational expectation that the project will not substantially impair the qualities that qualify these resources for protection under Section 4(f), including that character-defining features of historic properties will not be impacted in a manner that diminishes integrity, and the likelihood there are no archaeological sites that warrant preservation in place, the FAA has determined there will be no Section 4(f) use of historic sites as a result of the Proposed Action.

4.3. Public Parks and Recreation Areas

As with historic sites, the construction area of Proposed Action does not propose the permanent incorporation of land into transportation use or temporary occupancy of land from public parks and recreation areas. There are no public parks and recreation areas within the construction area. Thus, the potential Section 4(f) use assessment examines if the Proposed Action results in proximity impacts, or Constructive Use, of these types of resources within operational area, set within a boundary of the extent of the 60 dB CDNL contour.

In total, the Proposed Action includes 88 static fire tests, 44 launches of SSH, and 88 landings (44 each for Starship and Super Heavy)[7]. One-half of these events are planned to occur between 10:00 p.m. and 7:00 a.m. The remaining events are planned to occur between the hours of 7:00 a.m. and 10:00 p.m. Because half of the operations are planned during non-operational hours of parks (which are dawn to dusk), this assessment of proximity impacts considers the daylight operations of the Proposed Action when the parks are open. There are some instances when a small number of parks are open later, related to nighttime programming including movie showings. However, the overwhelming indication is that parks end this intermittent (1-2 times a month) programming prior to 10:00 p.m. The Noise and Noise Use Compatibilities and Land Use

[7] Each static fire test is planned to last 15 seconds.

Mitigation sections of the EIS establish a procedure for SpaceX to provide notification to OWJs prior to launches.

The EIS Noise and Noise Compatibility section also establishes that it will be reasonable to anticipate that users within could experience exposure to 60 dB CDNL or greater approximately 3 to 4 times per month from 7:00 a.m. to 10:00 p.m. This includes up to 44 daytime landings of SSH, which produce sonic booms. Sonic booms have the potential to annoy, disrupt, or startle people. However, static fire tests, launches, and reentries are of short duration. SpaceX, as part of the standard operating procedure outlined in the Noise and Land Use Mitigation Sections of the EIS, would publish advance notice of planned launches to the public and agencies. Advanced notification of launches are provided in part so that agencies have the opportunity to adapt programming to minimize interruption of recreational activities.

4.3.1. Campgrounds

The two campgrounds in the project area have a unique attribute in that function is related to the entire span of night time hours. It is reasonably foreseeable that campground users would experience exposure to over 60 dB CDNL three to four times a month from 10:00 p.m. to 7:00 a.m. The exposure would be a result of static fire tests, launches, and reentries all of which are of short duration. The reentries may produce sonic booms. The Section 3.2 of the EIS, Noise and Noise Compatible Land Use, indicates that up to 82% of people may be awakened by the sonic booms associated with nighttime reentries. This could include guests at 335 RV sites and 50 tent sites at the four campgrounds. The EIS noise analysis concluded that while the sonic booms at night may interfere with sleep, the events are predicted to be short in duration. Additionally, it is likely that some campground users will utilize these resources specifically to witness events associated with SSH. Section 3.2.5 Noise and Noise Compatible Land Use Mitigation and Monitoring and Section 3.3.5 Land Use Mitigation and Monitoring of the EIS establishes a procedure for SpaceX to provide notification to OWJs prior to SSH launches, including those that are anticipated to result in sonic booms.

The anticipated noise range over 60 dBA CDNL associated with SSH activities is dependent on the distance from LC-39A. Jetty Park is located with the noise contour that may experience over 70 dBA CDNL (**Figure 17**). Manatee Hammock Campground is located within a noise contour that may experience noise at levels 65 dBA CDNL or below (**Figure 15**).

While noise would exceed 60 dBA CDNL in certain areas of the project area (**Figures 14-17**) the EIS found that the short duration of potentially disturbing noise levels supports that all land uses would remain compatible in accordance with the guidelines at 14 CFR Part 150. The introduction of a brief noise event during the hours of 10:00 p.m. to 7:00 a.m. an average of 3 to 4 time per month does not represent a substantial impairment. While the nighttime activities may be considered an annoyance and may disrupt sleep or startle users, the frequency is not likely to substantially diminish the activities, features, or attributes of the resource because the annual frequency and duration is a small portion of the total operational hours of the resources in a given year.

The EIS concludes that users of public parks and recreation areas within the Project area would experience relatively brief noise levels exceeding 60 dBA CDNL, associated with the proposed 44 SSH annual launch and 88 annual landing events. However, and for the preceding reasons, the FAA has determined the Proposed Action will not substantially impair the qualities that qualify these resources for protection under Section 4(f). In the absence of permanent incorporation of land from public parks and recreation areas, (including campgrounds) into transportation use, temporary occupancy of public parks and recreation areas (including campgrounds), and because the Proposed Action would not substantially impair the qualities that qualify these resources for protection under Section 4(f), the FAA has determined there would be no Section 4(f) use of public parks or recreation areas as a result of the Proposed Action.

4.4. Wildlife and Waterfowl Refuges

Like with historic sites and public parks and recreation areas, the Proposed Action does not propose to temporarily occupy lands from wildlife and waterfowl refuges, nor does it propose to permanently incorporate lands from wildlife and waterfowl refuges. The construction area of Proposed Action does not propose the permanent incorporation of land or temporary occupancy of land proposed of wildlife and waterfowl refuges. There are no wildlife and waterfowl refuges within the construction area.

The FAA and SpaceX identified a contingency landing area of 1psf in the Atlantic Ocean (Figure 20). This landing area has a reduced likelihood of landings as compared to the operational area. The contingency area includes 70 Wildlife and Waterfowl Refuges. SpaceX and the FAA anticipate that the contingency landing area may be used up to five times per year.

The FAA and SpaceX also identified that the SSH return activities would introduce noise in the areas the Return to Launch Sites (RTLS) trajectories, which are shown as sonic boom over pressure contours greater than or equal to 1 psf. These contours are shown in Figures 18-31 and largely overlap with the operational area defined by the 1 psf and 60 dBA CDNL, particularly in the areas closest to LC-39A. There are 18 wildlife and waterfowl refuges within the RTLS (**Figures 18-31**), including a National Wildlife Refuge, the St. Johns National Wildlife Refuge. Only two, Kaboord Sanctuary and Pine Island Conservation Area, are located within the SSH operational area in addition to the RTLS.

The potential Section 4(f) use assessment examines if the Proposed Action results in proximity impacts of the 18 resources within operational and RTLS areas. While many of these resources have publically accessible areas and trails, they do not interfere with the resources' primary purpose which is conservation, restoration, and management. Thus, the analysis of substantial impairment for these resources is rooted in whether the proposed action would diminish habitat, interfere with access to the refuge when the refuge is necessary for established wildlife migration or critical life cycle process, or reduce the wildlife or waterfowl use of the refuge.

The analysis completed for Chapter 3 Section 3.8 Biological Resources of the EIS was applied to the 18 wildlife and waterfowl refuges in the RTLS and operational areas of SSH to assess if the proposed action would result in proximity impacts. The EIS analysis considered key federal

legislation including Endangered Species Act (ESA), Magnuson-Stevens Fishery Conversation Act (MSFCA), Bald and Golden Eagle Protection Act (BGEPA), Migratory Bird Treaty Act (MBTA). A full list of regulations considered in the biological resources analysis is included in the EIS.

The 18 wildlife and waterfowl refuges in the operational and RTLS areas are mostly associated with land-based or estuary resources (one notable exception being manatee habitat). The wildlife and waterfowl refuges overlap areas of habitat, critical or otherwise, of species evaluated under various environmental regulation. This analysis looks to the significance determinations noted in Table 3.85: Significance Determinations for Biological Resources in Chapter 3 Section 3.8.6 Summary of the Biological Resources. The table summarizes whether effects for the proposed action, compared to the no action alternative, are significant. Specifically it summarizes Terrestrial and Estuarine wildlife and habitats, Federally Protected Species, Critical Habitat, State-Listed Species, and Migratory Birds and Bald Eagles, all of which are assumed to be present in at least one of the 18 wildlife or waterfowl refuges in the operational and RTLS areas. The table concludes that effects are anticipated to be less than significant for all species and habitats identified.

The Proposed Action does not include potential closure or restriction at waterfowl or wildlife refuges, including viewing points. Officials with jurisdiction over the properties would be able to manage the refuges according to existing management plans. The public would be able to access these properties for use as normal, including for hunting and wildlife viewing. The noise events associated with SSH are predicted to be of short duration, approximately 88 times a year, either day or night. Additionally, while the noise and sonic booms are considered annoyances, the Proposed Action is not likely to substantially impair the attributes of the 18 wildlife and waterfowl refuges because it is not anticipated that the proposed project would jeopardize the continued existence of species, cause substantial habitat effects, including loss, or long-term or permanent loss of plant or wildlife species or populations. Nor would the introduction of noise 88 times a year substantially impair access to viewing points as there are no proposed closures.

NASA, in coordination with the FAA, is currently consulting with agencies regarding potential impacts to listed threatened and endangered species and critical habitat (see EIS Volume II). Analysis finds that protected species, migratory birds, and bald eagles may alter behaviors due to noise and visual disturbance, vibrations, sonic booms, and artificial lighting. However, effects would be less than significant because extirpation of any species, substantial habitat effects, and adverse population-level effects would not be expected, and effects would not be likely to jeopardize the continued existence of a species, including of a federally listed threatened or endangered species. Additionally, analysis finds that effects to critical habitat would be less than significant because the Proposed Action would not likely result in the destruction or adverse modification of habitat. NASA is seeking concurrence from agencies on these findings; which will be included in the Final EIS, once available.

All but 18 of the 70 wildlife and waterfowl refuges within the project area are in the contingency landing area which may be subject to up to five landings per year. In the absence of permanent incorporation of land from wildlife and waterfowl refuges into transportation use, temporary

occupancy of historic sites, and because the Proposed Action would not substantially impair the qualities that qualify these resources for protection under Section 4(f), the FAA has determined there would be no Section 4(f) use of wildlife and waterfowl refuges as a result of the Proposed Action.

5. Conclusion

As part of the FAA licensing process for the Proposed Action (SSH at LC-39A), a Section 4(f) evaluation was conducted to assess if the Proposed Action would result in the Section 4(f) use of significant publicly owned parks, recreation areas, wildlife and waterfowl refuges or historic sites. The program does not require permanent incorporation or temporary occupancy of land from Section 4(f) resources. Thus, the focus on this Section 4(f) evaluation was whether the Proposed Action would require the constructive use of Section 4(f) properties. The result of the evaluation is that the Proposed Action would not substantially alter the attributes that qualify such properties for protection under Section 4(f) of the US DOT Act of 1966, as amended. Thus, the Proposed Action would not result in the use of Section 4(f) property.

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APPENDIX A:
TABLE OF SECTION 4(F) PROPERTIES

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
1			Cherie Down Park	Brevard County	No Contact	Public Park and Recreation Area	Boardwalk, beach and water access, and picnic shelters.	8330 Ridgeview Avenue, Cape Canaveral, FL 32920
2			Lori Wilson Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playgrounds, restrooms, beach and water access, boardwalk, pavilions, and dog park.	1500 North Atlantic Avenue, Cocoa Beach, FL 32921
3			Robert P Murkshe Memorial Park / 16Th Street Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Trails and information kiosk.	1600 South Atlantic Avenue, Cocoa Beach, FL 32931
4			Constitution Bicentennial Park & Boat Ramp	Brevard County	No Contact	Public Park and Recreation Area	Boat dock and ramp, beach and water access, picnic shelters, and restrooms.	West Cocoa Beach Causeway, Cocoa Beach, FL 32921
5			Kelly Park East	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, volleyball courts, catamaran/windsurfing launch area, boat ramp, water access, pavilions, gazebo, and shoreline fishing.	2550 North Banana River Drive, Merritt Island, FL 32952
6			Kennedy Point Park & Boat Ramp	Brevard County	Erika Whitt (erika.whitt@brevardfl.gov)	Public Park and Recreation Area	Restrooms, boat ramp, pavilion, and shoreline fishing.	4915 S. Washington Avenue, Titusville, FL 32780
7			Lee Wenner Park & Boat Ramp	Brevard County	No Contact	Public Park and Recreation Area	Boat ramps, day slips, restrooms, fishing, and pavilions.	300 Riveredge Boulevard, Cocoa, FL 32922
8			Manatee Cove Park & Boat Ramp	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, canoe launch, pavilions with picnic tables, and fishing.	4905 North Tropical Trail, Merritt Island, FL 32953
9			Port St John Boat Ramp	Brevard County	Jann Faiga (jann.faiga@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, pavilions, and shoreline fishing.	6660 North US Highway 1, Port St. John, FL 32927
10			Manatee Hammock Park	Brevard County	Shawn Kittles (shawn.kittles@brevardfl.gov)	Public Park and Recreation Area	Restrooms, shuffleboard courts, pickleball courts, boat ramp, RV sites, tent sites, laundry facilities, showers, camp store, pavilions, and fishing pier.	7275 South Highway 1, Titusville, FL
11			Rotary Water Front Park	Brevard County	Erika Whitt (erika.whitt@brevardfl.gov)	Public Park and Recreation Area	Playground, basketball court, softball field, and pavilion.	4141 South Washington Avenue, Titusville, FL 32780
12			Valencia Dock	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, tennis courts, basketball court, shuffleboard court, pavilion, gazebo, and shoreline fishing.	914 Rockledge Drive, Rockledge, FL 32955
13			Enchanted Forest Sanctuary	Brevard County	Damien Keene (damien.keene@brevardfl.gov)	Public Park and Recreation Area	Nature sanctuary, hiking trails, butterfly garden and reflection pond, and picnic areas.	444 Columbia Boulevard, Titusville, FL 32780
14			South Lake Conservation Area Trailhead	Brevard County	Damien Keene (damien.keene@brevardfl.gov)	Public Park and Recreation Area		4500 Lancaster Lane, Mims, FL 32754
15			Harbor Point Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Boardwalk and overlook of Banana River.	1835 Harbor Point Drive, Merritt Island, FL 32952
16			Intracoastal Waterway Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Restrooms, bicycle paths, picnic shelters, and fishing pier.	Highway 520 Causeway at the Hubert Humphrey Bridge, Merritt Island, FL 32953
17			Kings Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Restrooms, multi-use fields, trails, canoe launch, and fishing.	995 Chase Hammock Road, Merritt Island, FL 32953
18			Margaret & Danny Strickland Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, gazebo, and fishing.	298 Milford Point Drive, Merritt Island, FL 32952
19			Osteen Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, pavilion, picnic tables, and fishing pier.	425 South Tropical Trail, Merritt Island, FL 32952

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
20			Tom Statham Park	Brevard County	No Contact (northareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, bicycle path, community center, picnic tables, and shoreline fishing. Amphitheater is under construction.	7101 US Highway 1, Titusville, FL 32780
21			Bernice G Jackson Park	Brevard County	Jeff Davis (jeff.davis@brevardparks.com) or Donovan Gilbert (donovan.gilbert@brevardfl.gov)	Public Park and Recreation Area	Playground, picnic area, community center and trails.	4201 N Highway 1, Cocoa, FL 32927
22			Veterans Memorial Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, pavilions, picnic tables, and shoreline fishing.	400 South Sykes Creek Parkways, Merritt Island, 32952
23			Cocoa Beach Skate Park	Brevard County	Tim Powers, Principal	Public Park and Recreation Area	Located at Cocoa Beach Junior/Senior High. Skate park.	1500 Minuteman Causeway Unit High, Cocoa Beach, FL 32921
24			McClarty Park	Brevard County	Rachel Milton (rachel.milton@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, tennis courts, basketball courts, volleyball courts, baseball fields, community center, pavilion, and picnic tables.	790 Barton Boulevard, Rockledge, FL 32955
25			Mitchell Ellington Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, bicycle paths, baseball fields, restrooms, soccer fields, football fields, tennis/pickleball courts, softball fields, and pavilion.	577 West Hall Road, Merritt Island, FL 32953
26			Parrish Park	Brevard County	Erika Whitt (erika.whitt@brevardfl.gov)	Public Park and Recreation Area	Restrooms, boat ramp, picnic shelters, fishing pier, and shoreline fishing.	1 A. Max Brewer Memorial Parkway, Titusville, FL 32796
27			Space Coast Community Sports Complex	Brevard County	Jeff Davis (jeff.davis@brevardparks.com)	Public Park and Recreation Area	Playground, restrooms, community center, pavilion, picnic shelters, and shoreline fishing.	662 Canaveral Groves Boulevard, Sharpes, FL 32927
28			W W James Park	Brevard County	Erika Whitt (erika.whitt@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, basketball courts, softball fields, grassy area, community center, gym, and pavilion.	330 Little League Lane, Titusville, FL 32780
29			Friendship Park	Brevard County	Jann Faiga (jann.faiga@brevardfl.gov)	Public Park and Recreation Area	Playground and open space.	1055 Barclay Drive, Port St. John, FL 32927
30			Joe Lee Smith Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, swimming pool, basketball court, community center, and gymnasium.	415 Stone Street, Cocoa, FL 32922
31			Kelly Park West	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, multi-use fields, basketball courts, tennis/pickleball courts, walking paths, pavilions, and fishing deck.	4255 North Banana River Drive, Merritt Island, FL 32952
32			Kiwanis Island Park & Boat Ramp	Brevard County	Terry Lane (terry.lane@brevardparks.com) and Shane Cassell (shane.cassell@brevardfl.gov)	Public Park and Recreation Area	Playgrounds, restrooms, bicycle paths, tennis courts, racquetball courts, trails, softball fields, basketball courts, community center, boat ramps, pavilions, gazebo, and fishing pier.	951 Kiwanis Island Park Road, Merritt Island, FL 32952
33			Port Satin John Soccer Club	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Restrooms, beach access, and pavilions.	1600 South Atlantic Avenue, Cocoa Beach, FL 32931
34			Robert Nicol Park	Brevard County	Jann Faiga (jann.faiga@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, pavilions, picnic tables, and pier.	6660 North US Highway 1, Port St. John, FL 32927
35			Rotary Park Merritt Island	Brevard County	Terry Lane (terry.lane@brevardparks.com) and Susan Boorse (susan.boorse@brevardparks.com)	Public Park and Recreation Area	Playground, restrooms, baseball fields, football fields, soccer fields, and pavilion.	1899 South Courtenay Parkway, Merritt Island, FL 32952
36			Watts Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Playground, tennis courts, basketball court, shuffleboard court, pavilion, gazebo, and shoreline fishing.	695 Needle Boulevard, Merritt Island, FL 32953

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
37			William J Manzo Memorial Park	Brevard County	Erika Whitt (erika.whitt@brevardfl.gov)	Public Park and Recreation Area	Playground, restrooms, pavilions, picnic tables, and shoreline fishing.	3335 South Washington Avenue, Titusville, FL 32780
38			Woody Simpson Park	Brevard County	Terry Lane (terry.lane@brevardparks.com) and Courtney Kellem (courtney.kellem@brevardparks.com	Public Park and Recreation Area	Playground, restrooms, basketball courts, softball fields, grassy area, community center, gym, and pavilion.	1590 Schoolhouse Street, Merritt Island, FL 32953
39			Fern And Prospect Community Park	Brevard County	No Contact	Public Park and Recreation Area	Now called Gilmore Community Park. Basketball courts, pavilion, and playground.	104 Prospect Avenue, Cocoa, FL 32922
40			Patriots Park	Brevard County	No Contact	Public Park and Recreation Area	Boat ramp and shoreline fishing.	200 Long Point Road, Cape Canaveral, FL 32920
41			Pineview Park	Brevard County	No Contact (centralareaparks@brevardfl.gov)	Public Park and Recreation Area	Restrooms, nature center, boardwalk, and pavilions.	20 Melbourne Avenue, Merritt Island, FL 32953
42			Freddie Patrick Park & Boat Ramp	Canaveral Port Authority	Captain John W. Murray, Port Canaveral Port Director/CEO	Public Park and Recreation Area	10-acre park, multiple boat ramps and slips, two pavilions, restrooms boat rinse station	280 Jetty Park Rd, Port Canaveral, FL 32920
43			Jetty Park	Canaveral Port Authority	Captain John W. Murray, Port Canaveral Port Director/CEO	Public Park and Recreation Area	4.5 acres of beach in the 35 acre park; 1,200 ft fishing pier; campground.	100 Jetty Park Rd, Port Canaveral, FL 32920
44			Rodney Ketchum Park	City of Cape Canaveral	Unclear who owns this, might be City of Cape Canaveral, likely John Maryberry is the POC	Public Park and Recreation Area	4-acre park with launch ramps with docks, picnic pavilions, shoreline fishing, and restrooms	998 Mullet Road Port Canaveral, FL 32920
45			Cape Canaveral City Park/Nancy Hanson Recreation Complex	City of Cape Canaveral	John Mayberry, Parks and Events Manager, City of Cape Canaveral	Public Park and Recreation Area	Ball field and splash pad, annual events	7920 Orange Ave, Cape Canaveral, FL 32920
46			Banana River Park	City of Cape Canaveral	John Mayberry, Parks and Events Manager, City of Cape Canaveral	Public Park and Recreation Area	Soccer field, picnic grills and pavilion, restrooms, playground, fishing platform	901 Puerto Del Rio Dr, Cape Canaveral, FL 32920
47			Cape Canaveral Recreation Complex	City of Cape Canaveral	Marci Lefkoff, Sr. Programs Coordinator and Facility Manager, City of Cape Canaveral	Public Park and Recreation Area	Tennis, pickleball, racquetball, and shuffleboard courts	7300 N Atlantic Ave, Cape Canaveral, FL 32920
48			Manatee Sanctuary Park	City of Cape Canaveral	John Mayberry, Parks and Events Manager, City of Cape Canaveral	Public Park and Recreation Area	Manatee Sanctuary viewing, boardwalk, exercise stations, pavilion with kitchen, playground	701 Thurm Blvd, Cape Canaveral, FL 32920
49			William Bennix Park	City of Cape Canaveral	John Mayberry, Parks and Events Manager, City of Cape Canaveral	Public Park and Recreation Area	Small linear park on north side of Washington Ave, has gazebos, benches, and winding walkway	300 Washington Ave, Cape Canaveral, FL 32920
50			Xeriscape Park	City of Cape Canaveral	John Mayberry, Parks and Events Manager, City of Cape Canaveral	Public Park and Recreation Area	Mature trees, picnic tables, and dog park	106 Taylor Ave, Cape Canaveral, FL 32920
51			Bracco Stormwater Park	City of Cocoa	Gary Palmer, Facilities Manager, Facilities Management Division, City of Cocoa	Public Park and Recreation Area	Bike trail, exercise stations, fishing, walking track	950 Plaza Parkway, Cocoa, FL 32922
52			Travis Park	City of Cocoa	Brevard County Parks and Recreation	Public Park and Recreation Area	2.5 acre park with playground, gym, and beach volleyball courts	2001 Michigan Avenue, Cocoa, FL 32922
53			Provost Park	City of Cocoa	Brevard County Parks and Recreation	Public Park and Recreation Area	20-acre park with playground, basketball and tennis courts, concession stand, pavilion, restrooms	400 Varr Avenue, Cocoa, FL 32922
54			Stradley Park	City of Cocoa	Brevard County Parks and Recreation	Public Park and Recreation Area	Nearly 43-acre park with softball/baseball and football fields, concession building and restrooms	1881 Rosetine St, Cocoa, FL 32926
55			Carl E. Anderson Park	City of Cocoa	Brevard County Parks and Recreation	Public Park and Recreation Area	Playground, basketball court, and pavilion	501 North Fiske Blvd, Cocoa, FL 32922

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Section 4(f) Properties

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
56			Cocoa Riverfront Park	City of Cocoa	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	Playground, fishing, pavilion, volleyball court, splash pad (?), restrooms	401 Riveredge Blvd, Cocoa, FL 32922
57			Cocoa Manor / Autumn Marie Park	City of Cocoa	Brevard County Parks and Recreation	Public Park and Recreation Area	Playground, pavilion, picnic areas	201 Coquina Drive, Cocoa, FL 32922
58			Ramp Road Boat Ramp	City of Cocoa Beach	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	This appears to just be a boat ramp located at Boat Ramp Park.	401 Ramp Road, Cocoa Beach, FL 32931
59			Maritime Hammock Preserve	City of Cocoa Beach	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	Bird watching, picnicking, no fishing	1225 North Atlantic Ave, Cocoa Beach, FL 32931
60			Cocoa Beach Country Club	City of Cocoa Beach	Tracy Silk, Superintendent, Cocoa Beach Golf Course	Public Park and Recreation Area	Golf course with a restaurant, on a peninsula	5000 Tom Warriner Blvd, Cocoa Beach, FL 32931
61			McClarty Park	City of Cocoa Beach	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	Small park with three gazebos/picnic tables	4265 North Atlantic Ave, Cocoa Beach FL, 32931
62			Cameron Barkley Rotary Memorial Park	City of Cocoa Beach	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	1-acre park with pickleball and tennis courts, playground, and picnic shelters	102 East Alachua Lane, Cocoa Beach, FL 32931
63			Cove Park (McNabb Park)	City of Cocoa Beach	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	Half acre park with boat dock, playground, fishing and fishing dock, picnic tables	540 McNabb Parkway, Cocoa Beach, FL 32931
64			Ramp Road Park	City of Cocoa Beach	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	Park has a playground, fishing and fishing dock, boat ramp, pickleball and tennis courts, restrooms	401 Ramp Road, Cocoa Beach, FL 32931
65			Morris Park	City of Rockledge	Thomas Reed, Supervisor, Sanitation, Grounds Maint. And Beautification Division, City of	Public Park and Recreation Area	2.5 acre park next to lake with picnic tables	954 Florida Ave, Rockledge, FL 32955
66			Rockledge Community Park	City of Rockledge	Thomas Reed, Supervisor, Sanitation, Grounds Maint. And Beautification Division, City of	Public Park and Recreation Area	Community events space with fountains, stage, vendor areas, restrooms, and green space	530 Barton Boulevard, Rockledge, FL 32955
67			Taylor Park	City of Rockledge	Thomas Reed, Supervisor, Sanitation, Grounds Maint. And Beautification Division, City of	Public Park and Recreation Area	3-acre park with picnic tables, a pavilion, and a sensory garden surrounding the mausoleum of the park donors	1292 Florida Ave, Rockledge, FL 32955
68			Kirk Point Riverside Park	City of Titusville	City of Titusville	Public Park and Recreation Area	Park with pavilions and fishing dock	4255 S Washington Ave, Titusville, FL 32780
69			106 Valencia Rd	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	106 Valencia Rd
70			1101 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1101 Rockledge Dr
71			1273 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1273 Rockledge Dr
72			1277 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1277 Rockledge Dr
73			1279 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1279 Rockledge Dr

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
74			133 Valencia Rd	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	133 Valencia Rd
75			1341 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1341 Rockledge Dr
76			1423 Main Street	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1423 Main Street
77			2205 McFarland Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	2205 McFarland Drive
78			23 Barton Avenue	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	23 Barton Avenue
79			2415 McFarland Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	2415 McFarland Drive
80			2460 Courtenay Parkway N	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	2460 Courtenay Parkway N
81			26 Orange Avenue	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	26 Orange Avenue
82			27 Barton Ave	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	27 Barton Ave
83			300 Washington Ave S	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	300 Washington Ave S
84			3113 Indian River Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	3113 Indian River Drive
85			317 Rosa Jones Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	317 Rosa Jones Drive
86			351 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	351 Rockledge Dr
87			39 Barton Ave	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	39 Barton Ave
88			400 Lucerne Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	400 Lucerne Dr
89			422 Julia St	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	422 Julia St
90			423 Main St	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	423 Main St

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
91			423 Palm Ave	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	423 Palm Ave
92			428 Julia St	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	428 Julia St
93			515 Rockledge Dr	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	515 Rockledge Dr
94			6195 N Tropical Trail	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	6195 N Tropical Trail
95			621 Rockledge Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	621 Rockledge Drive
96			629 Rockledge Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	629 Rockledge Drive
97			633 Rockledge Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	633 Rockledge Drive
98			635 Rockledge Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	635 Rockledge Drive
99			709 Rockledge Drive	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	709 Rockledge Drive
100			719 Forest Avenue	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	719 Forest Avenue
101			Aladdin Theater Building	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	300 Brevard Avenue, Cocoa, FL
102			Anderson, Jr., Andrew Residence	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	102 King Street, St. Augustine, FL
103			Ashley's Cafe & Lounge	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1609 US-1, Rockledge, FL 32955
104			Banana River Bridge	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
105			Barton Avenue Residential District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	11-59 Barton Ave., Rockledge, FL
106			Beach House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
107			Brevard County Courthouse	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	506 S Palm Ave, Titusville, FL 32796
108			Caldwell, Troy E, Residence	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1265 Rockledge Dr., Rockledge, FL

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
109			Canister Rotation Facility (Aka Launch Abort System Facility)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
110			City Point Community Church	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	3783 N Indian River Drive, Cocoa, FL
111			Claranet Inn	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	11 Olive Street, Cocoa, FL
112			Clendinen, Norman House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	2915 Indian River Drive, Cocoa, FL
113			Cocoa Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Peachtree Street and, S Cocoa Blvd, Cocoa, FL 32922
114			Cocoa Cemetery Storage Building	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Peachtree Street and, S Cocoa Blvd, Cocoa, FL 32922
115			Cocoa Junior High	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	307 Avocado Ave., Cocoa, FL 32922
116			Cocoa Post office	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	435 Brevard Ave., Cocoa, FL 32922
117			Crawlerway	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP (SSP), Listed for Apollo	Kennedy Space Center
118			Crawlerway Transporter 1 & 2	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP (SSP), Listed for Apollo	Kennedy Space Center
119			D'Albora, John House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1692 Indian River Drive, Cocoa, FL 32922
120			Engineering Development Lab	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
121			Field, J.R. Homestead	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	750 Field Manor Drive, Indianola, FL
122			Haulover Canal Bridge	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
123			Hill, Dr George E, House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	870 Field Manor Drive, Indianola, FL
124			Hilltop Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	North Cocoa Boulevard and, Pine St, Cocoa, FL 32922
125			Imperial Towers	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	2825 S Washington Ave., Titusville, FL
126			Indian River Bridge	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
127			Jay Jay Bridge	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
128			John Sam's House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	6191-6195 N Tropical Trail, Merrit Island, FL
129			Johnson, E C House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	703 Indian River Drive, Cocoa, FL 32922
130			Jonathan H. Sams Farmstead	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Bounded on the north, east and south by private property, also to the south by North Tropical Trail, and to the west by the Indian River Lagoon, Merrit Island, FL
131			Judge George Robbins House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	703 Indian River Drive, Cocoa, FL 32922
132			Lamar, Mattie House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	361 Stone Street, Cocoa, FL
133			Launch Complex 39 Pad A Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP (SSP), Listed for Apollo	Kennedy Space Center
134			Launch Complex 39 Pad B Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP (SSP), Listed for Apollo	Kennedy Space Center
135			Launch Control Center	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
136			Manufacturing Building/Booster Fabrication Facility (BFF)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
137			Miot, John House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	794 Sky High Drive, Merritt Island, FL
138			Nasa KSC Railroad System Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
139			NASA-Owned Cape Canaveral Air Force Station Industrial Area Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
140			Neil Armstrong Operations And Checkout Building (Operations Checkout O&C)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	Kennedy Space Center
141			Old Weathers House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	219 Indian River Drive, Cocoa, FL 32922
142			Orbiter Atlantis	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP (SSP), Listed for Apollo	Kennedy Space Center
143			Orbiter Processing Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
144			Palm Ave	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	420 Pine Street, Titusville, FL
145			Pioneer Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	285 Marine Harbor Dr, Merritt Island, FL 32953
146			Porcher, E P House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	434 Delannoy Avenue, Cocoa, FL

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
147			Press Site: Clock And Flag Pole	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP (SSP), Listed for Apollo	Kennedy Space Center
148			Pritchard House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	424 S Washington Ave., Titusville, FL
149			Provost, Charles B House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	837 Indian River Drive, Cocoa, FL 32922
150			Rambo, Dr. S. D. Residence	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Not evaluated by SHPO	587 Rockledge Drive, Rockledge, FL
151			Rockledge Drive Residential District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	Rockledge Drive, Rockledge, FL
152			Rockledge Gardens Nursery & Landscaping	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	2153 Rockledge Drive, Rockledge, FL
153			Rotation/Processing Building	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
154			Schnabel, Carl House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	2811 Indian River Drive, Cocoa, FL 32922
155			Shuttle Landing Facility (SLF) Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
156			Smith, Charles House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	1803 Indian River Drive, Cocoa, FL 32922
157			Snider House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	507 Indian River Drive, Cocoa, FL 32922
158			Solid Rocket Booster Disassembly And Refurbishment Complex Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
159			Space Station Processing Facility	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
160			Spell House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	1200 Riverside Drive, Titusville, FL 32780
161			St Gabriel's Episcopal Church	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	414 Palm Ave, Titusville, FL 32796
162			St Luke's Episcopal Church	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	555 N. Tropical Trail, Merritt Island, FL 32953
163			St Mary's Catholic Church	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	56 Barton Ave, Rockledge, FL 32955
164			The Norwood House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	715 Tropic Street, Titusville 32796

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
165			Titusville Commercial District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	Downtown Titusville, FL
166			Valencia Subdivision Residential District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	Valencia Subdivision, Rockledge, FL 32955
167			Vehicle Assembly Building	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Kennedy Space Center
168			Wager House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Listed in the NRHP	3 South Street, Titusville, FL 32780
169			White's Cottage	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Not evaluated by SHPO	31 Barton Ave, Rockledge, FL 32955
170			Cape Canaveral Space Force Station National Historic Landmark	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	NHL and NRHP Listed	Cape Canaveral Space Force Station
171			Delta II Solid Rocket Motor Area Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
172			Launch Complex 19	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
173			Delta Spin Test Facility Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
174			Launch Complex 30	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
175			Launch Complex 14	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
176			Launch Complex 13	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
177			Launch Complex 25	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
178			Launch Complex 21/22	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
179			Cape Canaveral Lighthouse Station Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
180			Skid Strip Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
181			Control Tower Road Tracking Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
182			Patrick Air Force Base Missile Instrumentation Station Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
183			Bomarc-SAGE Tracking Facility Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
184			Patrick Air Force Base Facilities Landplace Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
185			Cape Canaveral Air Force Station Industrial Area Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
186			Launch Complex 17	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
187			Launch Complex 34	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
188			Delta II Solid Rocket Motor Area	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
189			Delta Spin Test Facility (Facility 67900 - Spin Test Building)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
190			Patrick Air Force Base Administrative Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
191			Launch Complex 31/32	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
192			High Explosive Storage Facility Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
193			Banana River Naval Air Station Seaplane Historic District	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
194			Air Force Space Museum/LC-26	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	National Historic Landmark	Cape Canaveral Space Force Station
195			Cape Canaveral Lighthouse	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
196			Penny Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
197			Quarterman North Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
198			Quarterman South Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
199			Wilson Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
200			Burnham Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
201			Cape Road Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
202			Stinktown Cemetery (Fac. 6405)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
203			Osman Cemetery	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Historic Site	Eligible for listing in the NRHP	Cape Canaveral Space Force Station
204			Unnamed Site (8BR00031)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
205			Unnamed Site (8BR00065)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
206			Unnamed Site (8BR00066)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
207			Unnamed Site (8BR00069)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
208			Unnamed Site (8BR00084)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
209			Unnamed Site (8BR00151)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
210			Unnamed Site (8BR00156)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
211			Unnamed Site (8BR00221)	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
212			28th Street SE 1949 Homestead	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
213			Beachside Midden	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
214			Burns	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
215			Butlers Campbell's Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
216			Cabo Verde	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Ineligible for listing in the NRHP	n/a
217			Canaveral Town Site B	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
218			Canaveral Town Site C	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
219			Canaveral Town Site D	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
220			Canaveral Town Site E	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
221			CCAFS Facility 1430 - Shanicle Buildin	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
222			Clark Slough	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
223			Clark Slough Earthwork	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
224			Clifton Schoolhouse	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
225			Cocoa Beach Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
226			Daigle Place	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
227			De Soto Grove Burial Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
228			De Soto Grove Midden A	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
229			Dummett Homestead	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Potentially Eligible for listing in the NRHP	n/a
230			Dummett's Place	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
231			Edwards	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
232			Fac. 1222 Czr Camera Pad U15r146	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
233			Fac. 36900: Glotrac Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
234			Fac. 114-G: Lc-25 Warning Horn Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
235			Fac. 1330b: Beat-Beat Dovap 12-110-F	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
236			Fac. 1331: Telemetry Elsee 12-110-Pl	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
237			Fac. 1333a:Beat-Beat Dovap 14-110-P	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
238			Fac. 1333b:Beat-Beat Dovap 14-110-P	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
239			Fac. 1334: Telemetry Elsee 12-110-Prs	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
240			Fac. 1343: East Compass Rose	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
241			Fac. 17200: Weather Theodolite Pad B	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
242			Facility 1090 Security Police Bldg	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
243			Facility 1126: Telemetry Elsse	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
244			Facility 1209-Rate Ante--A Pad A	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
245			Facility 1212-Czr Camera Site U36r175	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
246			Facility 1390: Theodolite Tower 1.40	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
247			Facility 289 - Flame Attenuation Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
248			Facility 74610: Camera Pad	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
249			Fim Van Site S-5	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
250			Former Naa Control Tower Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
251			Fort A--	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
252			Fuller Mound A	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
253			Fuller Mound B	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
254			Fuller Mound C	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
255			Fuller Mound D	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
256			Fuller Mound E	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
257			Fuller Mound F	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
258			Gulfbranson Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
259			Hammock Mound A	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
260			Hammock Mound B	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
261			Hammock Mound C	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
262			Haulover Canal Midden	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
263			Haulover Sand Mound And Midden (A,	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
264			Holmes Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
265			Hotel	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
266			James W. Merchant Homestead	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
267			Klondike	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
268			Klondike Beach Tower Ruins (2311.12	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
269			Little Midden	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a
270			Lone Cistern	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
271			Lopez Orchard	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
272			Max Hoeck Mound And Midden	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
273			Moore Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
274			Murray Parcel	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
275			Naumans Place	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
276			New Lighthouse Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Ineligible (Potential Human Remains)	n/a
277			Norris Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
278			Ns 8br 4	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
279			Odyssey Street Remains	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
280			Old Lighthouse	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
281			Old Macdonald's Farm	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
282			Oyster Prong Creek Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
283			Pace's Landing	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
284			Pepper Hammock	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
285			Pe--Y Plot	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
286			Pier Road Houses	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
287			Pier Road Houses Site B	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
288			Pier Road Houses Site C	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
289			Quarterman	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Insufficient Information (Presumed eligible for this project)	n/a
290			Sams Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
291			Sam's Site	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Eligible for listing in the NRHP	n/a

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
292			Stinktown And Jeffords	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Potentially Eligible for listing in the NRHP	n/a
293			Taylor House	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
294			The Dunal Ridge Midden	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
295			Tiffin Mound	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Ineligible for listing in the NHRP (Potential Human Remains)	n/a
296			Ulumay Lagoon	FDHR	Alissa Lotane, Director, Florida Department of Historic Resources	Archaeological Site	Not evaluated (Presumed eligible for this project)	n/a
297			Pelican Island Elementary School	Indian River County School Board	Jennifer Justice, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1355 Schumann Dr, Sebastian, 32958
298			Atlantis Elementary School	School Board of Brevard County	Erica Back, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	7300 Briggs Ave, Cocoa, 32927
299			Audubon Elementary School	School Board of Brevard County	Candace Jones, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1201 N Banana River Dr, Merritt Island, 32952
300			Cambridge Elementary Magnet School	School Board of Brevard County	Regina Tagye, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	2000 Cambridge Dr, Cocoa, 32922
301			Cape View Elementary School	School Board of Brevard County	Melissa Long, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	8440 Rosalind Ave, Cape Canaveral, 32920
302			Cocoa Beach Junior/Senior High School	School Board of Brevard County	Timothy Powers, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1500 Minutemen Cswy, Cocoa Beach, 32931
303			Edgewood Jr/Sr High School	School Board of Brevard County	Jacqueline Ingratta, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	180 E Merritt Ave, Merritt Island, 32953
304			Endeavour Elementary School	School Board of Brevard County	Catherine Murphy, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	905 Pineda St, Cocoa, 32922
305			Fairglen Elementary School	School Board of Brevard County	Christy Meraz, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	201 Indian Trl, Cocoa, 32927
306			Freedom 7 Elementary School of International Studies	School Board of Brevard County	Kathryn Lott, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	400 S 4th St, Cocoa Beach, 32931
307			Gardendale Separate Day School	School Board of Brevard County	Kelly Grugan, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	301 Grove Blvd, Merritt Island, 32953
308			Lewis Carroll Elementary School	School Board of Brevard County	Jami Miner, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1 Skyline Blvd, Merritt Island, 32953
309			Merritt Island High School	School Board of Brevard County	Deboran Lubbers, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	100 Mustang Way, Merritt Island, 32953
310			Mila Elementary School	School Board of Brevard County	Dawna M. O'Brien, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	288 W Merritt Ave, Merritt Island, 32953
311			North/Central Area Alternative Learning Center	School Board of Brevard County	Mary Bland, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	301 Grove Blvd, Merritt Island, 32953
312			Robert L. Stevenson Elementary School	School Board of Brevard County	Tiffiny Fleeger, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1450 Martin Blvd, Merritt Island, 32952
313			Rockledge Senior High School	School Board of Brevard County	Peter Papczynski, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	220 Raider Rd, Rockledge, 32955
314			Ronald McNair Magnet Middle School	School Board of Brevard County	Stephen Richardson, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1 Challenger Dr, Rockledge, 32955
315			Theodore Roosevelt Elementary School	School Board of Brevard County	Elizabeth Hill Brodigan, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1400 Minutemen Cswy, Cocoa Beach, 32931
316			Thomas Jefferson Middle School	School Board of Brevard County	Meara Trine, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	1275 S Courtenay Pkwy, Merritt Island, 32952

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
317		Yes	Pine Island Conservation Area	Brevard County	Jeremy Olson, Land Management Program Manager, Bureau of Land Resources, SJRWMD	Wildlife or Waterfowl Refuge	880-acre area with trails, kayak launch, and manatee observation deck	1655 Pine Island Rd, Merritt Island, FL 32953 (acquired and managed with Brevard County)
318			Tropical Elementary School	School Board of Brevard County	Neleffra Marshall, Principal	Public Park and Recreation Area	Playground, athletic and ball fields used by the public	885 S Courtenay Pkwy, Merritt Island, 32952
319		Yes	Buck Lake Conservation Area	St. Johns River Water Management District	Jeremy Olson, Land Management Program Manager, Bureau of Land Resources, SJRWMD	Wildlife or Waterfowl Refuge	Conservation area with 15 distinct ecosystems, trails available	4077 Cinnamon Teal Drive, Mims, FL 32754
320			Sidney Fisher Park	State of Florida	Laird McLean, Director, Recreation/Leisure Services, City of Cocoa	Public Park and Recreation Area	Park with volleyball court, fishing, pavilion, picnic shelters, playground, restrooms, and swimming	2200 N Atlantic Ave, Cocoa Beach, FL 32931
321			Dicerandra Scrub Sanctuary Trailhead	State of Florida	Brevard County	Public Park and Recreation Area	44-acre nature preserve with hiking and bird watching; sanctuary for endangered mint plant, which grows nowhere else in the world by Titusville	4900 Melissa Dr, Titusville, FL 32780
322			Helen And Allan Cruickshank Sanctuary	State of Florida	Brevard County	Public Park and Recreation Area	140-acre sanctuary for conservation; has a trail	326 Barnes Blvd #300, Rockledge, FL 32955
323			Manatee Cove Campground	Patrick SFB	Information Unavailable	Public Park and Recreation Area	Campground at Patrick SFB	Patrick SFB
324			KARS I Park	KSC	Information Unavailable	Public Park and Recreation Area	Campground at KSC	KSC
325	Yes		Archie Carr National Wildlife Refuge	US Fish & Wildlife Service	Paul Souza, Regional Director, Pacific Southwest Region, exercising the delegated authority of the Director, U.S. Fish & Wildlife	Wildlife or Waterfowl Refuge	20.5 miles of beach and shoreline habitat along Florida's east coast	4055 Wildlife Way, Vero Beach, FL 32963-9446
326	Yes		Barberville Conservation Area	Volusia County	Information Unavailable	Wildlife or Waterfowl Refuge	30-acre campus with 18 historical structures and over 10,000 historical artifacts	1776 Lightfoot Lane, Barberville, FL 32105
327	Yes		Black Hammock Wilderness Area	Seminole County	Information Unavailable	Wildlife or Waterfowl Refuge	700-acre property along the shores of Lake Jesup	3276 Howard Ave, Oviedo, FL 32765
328	Yes		Blue Cypress Conservation Area	St. Johns River Water Management District	Jeremy Olson, Land Management Program Manager, Bureau of Land Resources, SJRWMD	Wildlife or Waterfowl Refuge	Part of the upper St. Johns River Basin, conservation lands featuring impounded marshes with migratory and resident ducks, wading birds and raptors.	FL-60, Vero Beach, FL 32966
329	Yes		Blue Spring State Park	Trustees Of The Internal Improvement Trust Fund	Dustin Allen, Park Manager	Wildlife or Waterfowl Refuge	State park with springs, manatee habitat campsites, hiking trails, etc.	2100 W. French Ave. Orange City FL 32763
330	Yes		Cameron Preserve	Town Of Malabar	Information Unavailable	Wildlife or Waterfowl Refuge	100 acres of preserve land	2725 Malabar Road, Malabar, FL 32950
331	Yes		Clark Bay Conservation Area	St. Johns River Water Management District	Jeremy Olson, Land Management Program Manager, Bureau of Land Resources, SJRWMD	Wildlife or Waterfowl Refuge	Conservation area provides the uplands that drain into several large basin swamps that form two streams, Deep Creek and Little Haw Creek	Deland, FL, 32724
332	Yes		Cradle Creek Preserve	City Of Jacksonville Beach	Information Unavailable	Wildlife or Waterfowl Refuge	Public park along the Intracoastal Waterway with nature trails, elevated boardwalk, and a boat pier	900 S 15th Street, Jacksonville Beach, FL 32250
333	Yes		Crescent Lake Conservation Area	St. Johns River Water Management District	T. Monson	Wildlife or Waterfowl Refuge	Conservation area is popular for its hiking, bicycling and horseback riding opportunities on more than 4 miles of quiet, shaded trails -- and for its spacious and well-maintained primitive campsite	616 Raulerson Road 1, Seville, FL 32190
334	Yes		Deep Creek Conservation Area (SJRWMD)	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Conservation area offers hiking, biking, fishing, and boating	3705-3719 CR 14 S, Elkton, Fl, 32033

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Section 4(f) Properties

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
335	Yes		Deep Creek Preserve (SJRWMD)	St. Johns River Water Management District	Hunter Folmar, Chief of Land Management	Wildlife or Waterfowl Refuge	Conservation area is 8,040 acres that includes natural and agricultural features	964 S. State Road 415, New Smyrna Beach, FL
336	Yes		Deep Creek State Forest	Trustees Of The Internal Improvement Trust Fund	Hunter Folmar, Chief of Land Management	Wildlife or Waterfowl Refuge	380-acre state forest	1980 Nocatee Landing Trail, Ponte Verde, FL 32081
337	Yes		Fellsmere Water Management Area	St. Johns River Water Management District	Jeremy Olson, Land Management Program Manager, Bureau of Land Resources, SJRWMD	Wildlife or Waterfowl Refuge	A 10,000-acre manmade lake that offers hunting and fishing	Q882+V4, Fellsmere, FL
338		Yes	Fox Lake Sanctuary	Brevard County	Damien Keene	Wildlife or Waterfowl Refuge	2,568 acres of hiking, mountain biking, and equestrian trails	4400 Fox Lake Road, Titusville, Fl 32754
339	Yes		Guana Tolomato Matanzas National Estuarine Research Reserve	Trustees Of The Internal Improvement Trust Fund	NOAA	Wildlife or Waterfowl Refuge	One of only 30 national estuarine research reserves in the county	505 Guana River Road #6527, Ponte Vedra Beach, FL 32082
340	Yes		Harmony Oaks Conservation Area	Indian River County	Information Unavailable	Wildlife or Waterfowl Refuge	90-acre conservation area offering wildlife viewing	2323 4th Avenue, Vero Beach, FL 32962
341	Yes		Heart Island Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Conservation area that offers hiking, horseback riding, seasonal hunting, bicycling, picnicking, wildlife viewing, and camping	De Leon Springs, FL
342		Yes	Hidden Pond Preserve	Orange County	Information Unavailable	Wildlife or Waterfowl Refuge	Provides unique opportunities for viewing flora and fauna	20502 FL-520, Orlando, FL 32833
343	Yes		Hull Swamp Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Information Unavailable	Ormond Beach, FL 32174
344		Yes	Indian Mound Station Sanctuary	Brevard County	Damien Keene	Wildlife or Waterfowl Refuge	147-acre sanctuary straddles the north and south sides of West Parrish Road in Titusville, just east of I-95. Habitats include scrub, pine flatwoods, depression and forested wetlands. The site also provides protection to a bald eagle nest and a Native American burial mound. Common wildlife sightings include bald eagles, gopher tortoises and Florida scrub jays.	4001 Parrish Road, Mims, FL 32796
345		Yes	Indian River Sanctuary	Brevard County	Information Unavailable	Wildlife or Waterfowl Refuge	156-mile-long sanctuary of wildlife viewing	Melbourne, FL
346		Yes	Kaboord Sanctuary	Brevard County	Information Unavailable	Wildlife or Waterfowl Refuge	797 acres of wildlife viewing, fishing, and boating	Merrit Island, FL
347	Yes		Lake Jesup Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	6,220 acres offering wildlife views, camping, trails, and boating	Sanford, FL 32773
348	Yes		Lake Monroe Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	3,098 acres offering wetlands and marshes, and habitats for fish and wildlife	Osteen, FL
349	Yes		Lake Proctor Wilderness Area	Seminole County	Information Unavailable	Wildlife or Waterfowl Refuge	475 acres of wooded area for wildlife viewing	920 FL-46, Geneva, FL 32732
350	Yes		Lake Woodruff National Wildlife Refuge	US Fish & Wildlife Service	Information Unavailable	Wildlife or Waterfowl Refuge	22,000-acre wildlife refuge	2045 Mud Lake Road, De Leon Springs, FL 32130
351	Yes		Malabar Scrub Sanctuary	Brevard County	Information Unavailable	Wildlife or Waterfowl Refuge	557 acres for plant and wildlife viewing	2725 Malabar Road, Malabar, FL 32950
352	Yes		Moses Creek Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Offers hiking, horseback riding, and mountain biking trails	1300 SR 26, St. Augustine, FL 32086
353		Yes	North Buck Lake Scrub Sanctuary	Brevard County	Damien Keene	Wildlife or Waterfowl Refuge	181 acres of woodlands and wetlands	4077 Cinnamon Teal Drive, Mims, FL 32754
354	Yes		North Sebastian Conservation Area	Indian River County	Information Unavailable	Wildlife or Waterfowl Refuge	407 acres for viewing wildlife	1295 Main Street, Sebastian, FL 32958

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
355	Yes		Ocala National Forest	Us Dept. Of Agriculture, Forest Service	Information Unavailable	Wildlife or Waterfowl Refuge	From migratory birds and playful manatees to delicate freshwater springs and some of the world's rarest plants, the Ocala is a haven where people (and animals) escape to one of Florida's remaining wild places	Orlando, FL
356	Yes		Oslo Riverfront Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	298 acres offering walking trails, benches and boardwalks, and an observation platform	150 9th Street SE, Vero Beach, FL 32962
357	Yes		Palm Bluff Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Conservation area featuring hiking trails and camping	1275 State Route 415, Osteen, FL 32764
358	Yes		Pelican Island National Wildlife Refuge	US Fish & Wildlife Service	Information Unavailable	Wildlife or Waterfowl Refuge	5,400 acres of protected waters and land offering trails and beach access	4055 Wildlife Way, Vero Beach, FL 32963
359	Yes		Prange Islands Conservation Area	Indian River County	Information Unavailable	Wildlife or Waterfowl Refuge	26.5 acres for viewing wildlife	Indian River Lagoon, FL
360	Yes		River Branch Preserve	City Of Atlantic Beach	Information Unavailable	Wildlife or Waterfowl Refuge	350 acres of marshes and shallow waterways	Atlantic Beach, FL
361		Yes	River Lakes Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Wetland area and wildlife habitat offering fishing, boating, and hiking	N Wickham Road, Melbourne, FL 32940
362	Yes		Sebastian Harbor Preserve	Indian River County	Information Unavailable	Wildlife or Waterfowl Refuge	163 acres for viewing wildlife	184 Englar Drive, Sebastian, FL 32958
363	Yes		Sebastian Scrub Conservation Area	Indian River County	Information Unavailable	Wildlife or Waterfowl Refuge	10-acre preserve for viewing flora and fauna	1258 Schumann Drive, Sebastian, FL 32958
364	Yes		Spengler Island Conservation Area	St. Johns County	Information Unavailable	Wildlife or Waterfowl Refuge	Conservation area for wildlife viewing	St. Augustine, FL
365		Yes	St. Johns National Wildlife Refuge	US Fish & Wildlife Service	Information Unavailable	Wildlife or Waterfowl Refuge	The 6,255 acre refuge was established in 1971 to protect the now extinct dusky seaside sparrow, Ammodramus maritimus nigrescens	Titusville, FL 32781
366	Yes		Stokes Landing Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Marshs with hiking, biking, and jogging trails with marsh views	415-599 Lakeshore Drive, St. Augustine, FL 32095
367	Yes		Summer Island Conservation Area	St. Johns County	Information Unavailable	Wildlife or Waterfowl Refuge	338 acres of islands primarily accessed by boat	Cocoa Beach, FL
368		Yes	Thousand Islands Conservation Area	Brevard County	David DeMeyer	Wildlife or Waterfowl Refuge	338-acre site, located in Cocoa Beach, consists of a series of islands in the Indian River Lagoon on the south side of Minuteman Causeway. The islands have many channels that provide great paddling opportunities.	599 Ramp Road, Cocoa Beach, FL 32931
369	Yes		Three Forks Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Offers over 70 miles of trails, fishing, canoeing, and kayaking	4008 W. Malabar Road, Melbourne, FL 32904
370	Yes		Timucuan Preserve Federally Managed Lands	US Dept. Of The Interior, National Park Service	Information Unavailable	Wildlife or Waterfowl Refuge	46,000 acres of multi-agency managed lands for wildlife viewing	Jacksonville, FL
371	Yes		Tocoi Junction Conservation Area	St. Johns County	Information Unavailable	Wildlife or Waterfowl Refuge	Primitive camping and paddling	St. Augustine, FL
372		Yes	Turnbull Hammock Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Offers hiking and wildlife viewing	Oak Hill, FL
373	Yes		Turnbull Conservation Area	St. Johns County	Information Unavailable	Wildlife or Waterfowl Refuge	Offers hiking and wildlife viewing	Oak Hill, FL
374	Yes		Twelve Mile Swamp Conservation Area	St. Johns River Water Management District	Information Unavailable	Wildlife or Waterfowl Refuge	Offers 2.2 miles of trails and access to hiking, bicycling, and equestrian use	St. Augustine, FL
375		Yes	Ulumay Wildlife Sanctuary	St. Johns River Water Management District	Jeremy Olson, Land Management Program Manager, Bureau of Land Resources, SJRWMD	Wildlife or Waterfowl Refuge	Just under 22,000 acres of the property is under a long-term timber lease, with restricted public access until 2025. However, 378 acres are designated a recreation area and open to the public	440 International Golf Pkwy, St. Augustine, FL 32095

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Section 4(f) Properties

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
376	Yes		Valkaria Scrub Sanctuary	Trustees Of The Internal Improvement Trust Fund	Steve McGuffy, Superintendent, South Region, EL Selection & Management Committee, Brevard	Wildlife or Waterfowl Refuge	Same as Grant Flatwood Sanctuary?? https://brevardfl.gov/EELProgram/Sanctuaries/GrantFlatwoodsSanctuary	
377	Yes		Wabasso Scrub Conservation Area	Indian River County	Beth Powell, Director of Parks, Recreation & Conservation	Wildlife or Waterfowl Refuge	111-acre conservation area. SCA is also an integral component of the Sebastian Area-Wide Florida Scrub Jay Habitat Conservation Plan approved by the USFWS and finalized in March 2000. The conservation and management of this property in part mitigates for the incidental take of Florida Scrub-jays within platted lots in the Sebastian Highlands.	8900 64th Ave, Sebastian, FL32958
378	Yes		Wiregrass Prairie Preserve	Volusia County	Hunter Folmar Chief of Land Management hfolmar@volusia.org 386-943-7081, Ext. 21264	Wildlife or Waterfowl Refuge	1,423 acres situated almost entirely in the St. Johns River valley. The preserve is a mosaic of upland and wetland natural communities including mesic and wet flatwoods, cypress domes, strand swamp and wet prairie.	1751 Lopez Road, Osteen, Florida
379	Yes		Buck Lake Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with St. Johns River Water Management District	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	9,291 acres adjacent to the St. Johns River in southeastern Volusia County and northwestern Brevard County. The property includes marshes dotted with cabbage palm hammocks, a marsh lake (Buck Lake), pine flatwoods and scrub	4077 Cinnamon Teal Drive, Mims, FL 32754
380		Yes	Charles H. Bronson Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with St. Johns River Water Management District, Florida Service	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	11,600 acres within the Charles H. Bronson State Forest. It is part of a network of public lands along the St. Johns River that creates a significant conservation and recreation corridor.	Oviedo, FL 32766
381	Yes		Guana River Wildlife Management Area	Florida Fish and Wildlife Conservative Commission, Northeast Region, St. Johns County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Visitors find excellent waterfowl hunting, fishing, paddling and wildlife viewing as well as miles of scenic roads for hiking and horseback riding.. Apart of the Great Florida Birding and Wildlife Trail	Ponte Vedra Beach, FL 32082
382	Yes		Herky Huffman/Bull Creek Wildlife Management Area	Florida Fish and Wildlife Conservative Commission, Northeast Region, Osceola County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Diverse habitats are home to a wide variety of common and imperiled wildlife.	7585 Crabgrass Rd, St Cloud, FL 34773
383	Yes		Lake George Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with St. Johns River Water Management District, Florida Forest Service, and Volusia County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	More than 39,000 acres are primarily mixed hardwood swamp and pine flatwoods. Florida black bear, southern fox squirrel, gopher tortoise and bald eagle are among the listed species on the area. Additionally, bobcat, alligator, hawk, heron, otter, osprey and white-tailed deer may be found here.	Pierson, FL 32180

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	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
384		Yes	Little Big Econlockhatchee Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with US Forest Service	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	over 7,000-acre area protects seven miles of the Little Big Econ River and associated floodplain forests. This wildlife management area is part of a wildlife corridor of approximately 100 miles along the St. Johns River. River floodplain forests and oak hammocks are home to gray fox, river otter, wild turkey, bobcat, resident and migratory waterfowl, wood storks, wading birds, shorebirds and numerous upland species including white-tailed deer and turkey. Other common sightings include sandhill cranes, roseate spoonbills, bald eagles, osprey and hawks. The area is part of the Great Florida Birding and Wildlife Trail.	Oviedo, FL 32766
385	Yes		Matanzas Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with US Forest Service	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Occupies 4,699 acres within the Matanzas State Forest. The forest protects two miles of estuarine marsh along the Intracoastal Waterway (Matanzas River) - the last remaining undisturbed salt marsh within the Guana Tolomato Matanzas National Estuarine Research Reserve. The forest and WMA are part of the Matanzas Marsh, a 16,000-acre continuous conservation corridor.	6840 US-1, St. Augustine, FL 32086
386	Yes		Ocala Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with US Forest Service	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Part of the Ocala National Forest, the oldest national forest east of the Mississippi River. The forest contains the largest concentration of sand pine in the world as well as some of the best remaining stands of longleaf pine in central Florida. Its nearly 400,000 acres. Swimming, boating, water skiing, kayaking, and paddling are popular activities. Camping opportunities include group sites, RV/tent sites, and primitive camping sites. There are visitor centers, nature trails, and a more than 50-mile section of the Florida National Scenic Trail.	Ocklawaha, FL 32179
387		Yes	Seminole Ranch Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with St. Johns River Water Management District	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	8,000 acres and is part of the nearly 30,000-acre Seminole Ranch Conservation Area. This area, 20 miles east of Orlando and ten miles west of Titusville, is bounded on the east by the St. Johns River and on the south by SR 50. The area is a mosaic of open pastures, river marsh, hardwood, and cabbage palm hammocks.	Wheeler Rd, Christmas, FL 32709
388		Yes	T. M. Goodwin Waterfowl Management Area	Florida Fish and Wildlife Conservative Commission, Northeast Region, Brevard County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Extensive freshwater marshes are managed for diverse wetland wildlife. Natural marshes that were altered by agricultural production are now being restored to provide for the long-term health of Florida's fish and wildlife.	3200 T.M. Goodwin Road, Fellsmere, FL 21948

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Section 4(f) Properties

SpaceX Starship-Super Heavy Launch Vehicle Complex 39A at Kennedy Space Center

	Contingency Area Only?	RTLS	NAME	OWNER/AHJ	Official with Jurisdiction	TYPE	Attributes	Full Address
389	Yes		Tiger Bay Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with St. Johns River Water Management District, Florida Forest Service, and Volusia County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	31,000 acre wetland. most of the area is cypress swamps and pine-palmetto flatwoods. Recreational opportunities	Daytona Beach, FL 32124 bisected by U.S. 92 between Deland and Daytona
390	Yes		Triple N Ranch Wildlife Management Area	Florida Fish and Wildlife Conservative Commission, Northeast Region, Osceola County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Wetland area and wildlife habitat offering fishing, boating, and hiking	10320 E Irlo Bronson Memorial Hwy, St Cloud, FL 34773
391	Yes		Upper St. Johns River Marsh Wildlife Management Area	Florida Fish and Wildlife Conservative Commission managed in Cooperation with St. Johns River Water Management District	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	more than 120,000 acres in Brevard and Indian River counties. Sixty-two miles of levees offer a wide range of recreational opportunities.	Three Forks Conservation Area, Melbourne, FL 32904
392		Yes	William Beardall Tosohatchee Wildlife Management Area	Florida Fish and Wildlife Conservative Commission, Northeast Region, Orange County	Greg Workman, Regional Director, Florida Fish and Wildlife Conservative Commission, Northeast Region	Wildlife or Waterfowl Refuge	Conservation area with 60 miles of trails and numerous fishing spots	3365 Taylor Creek Road, Christmas, FL 32709

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Section 4(f) Properties