

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.3, Part 7

January 2026



**Federal Aviation
Administration**

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
Buildings Recommended "NRHP Eligible as Resource Group Contributor" by Previous Surveys								
8BR00393	602 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Queen Anne Revival	ca. 1902	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00394	606 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00395	615 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1905	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00396	612 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1902	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00398	620 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Georgian Revival	ca. 1905	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00400	715 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Neo-Classical Revival	ca. 1895	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00402	804 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Bungalow	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00404	820 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1929	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00405	821 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1940	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00406	824 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1929	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00407	902 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Bungalow	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00408	904 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00409	915 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1909	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00411	916 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00412	925 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Frame Vernacular	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo



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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00420	102-112 Julia Street	2 psf	Titusville Commercial District	Masonry Vernacular	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00421	214 Julia Street	2 psf	Titusville Commercial District	Masonry Vernacular	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00427	13 Main Street	2 psf	Titusville Commercial District	Masonry Vernacular	1926	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00428	21 Main Street	2 psf	Titusville Commercial District	Masonry Vernacular	1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00429	106 Main Street	2 psf	Titusville Commercial District	Masonry Vernacular	1913	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00507	219 Washington Avenue S	2 psf	Titusville Commercial District	Mission Revival	ca. 1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00509	301 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00510	305 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00511	307-311 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00512	313-315 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00513	317-319 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1912	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00514	Walker Apartment Building/322 Washington Avenue S	2 psf	Titusville Commercial District	Mission Revival	1925	Not Evaluated by SHPO	Individually Eligible; Eligible as RG Contributor	
8BR00515	326 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00516	327 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1900	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00517	329 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1890	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00520	337 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00522	342 Washington Avenue S	2 psf	Titusville Commercial District	Masonry Vernacular	1920	Not Evaluated by SHPO	Eligible as RG Contributor	


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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00584	225 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00585	227 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00615	403 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00619	Bryan Residence	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1900	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00632	21 Rockledge Avenue	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00635	Martin A. Metzner Estate	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1905	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00636	663 Rockledge Drive	2 psf	Rockledge Drive Residential District	Queen Anne Revival	ca. 1900	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00637	657 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00638	McEwen Residence	2 psf	Rockledge Drive Residential District	Queen Anne Revival	1896	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00639	639 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00643	623 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00645	613 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00646	611 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00647	607 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00649	Earl Ranck Residence	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1902	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00650	803 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00651	1-3 Orange Avenue	2 psf	Rockledge Drive Residential District	Mediterranean Revival	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00652	Margaret Funch Residence	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00654	20 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00655	25 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00656	26 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00657	28 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00659	32 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00660	34 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00661	40 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00662	42 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00663	48 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00664	50 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00665	47 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00666	David Dunscombe Residence	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00667	104 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00669	107 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00671	115 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo


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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00672	119 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00673	122 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00674	123 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00675	130 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00676	127 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00677	129 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	1924	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00679	140 Valencia Road	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00686	24 Orange Avenue	2 psf	Valencia Subdivision Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00688	1075 Shares Drive	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1930	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00690	11A-11B Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00691	19 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1900	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00692	11 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00693	14 Barton Avenue	2 psf	Barton Avenue Residential District	Queen Anne Revival	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00694	18 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00695	Rockledge Women's Exchange	2 psf	Barton Avenue Residential District	Neo-Classical Revival	ca. 1903	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00696	22 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo




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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00697	Old Rockledge Town Hall	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00701	26 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00704	37 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00706	James T. Jensen Residence	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00707	Gloria Eswine Residence	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	
8BR00708	Elma Atkinson Residence	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00709	43 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1900	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00710	47 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00711	49 Barton Avenue	2 psf	Barton Avenue Residential District	Bungalow	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00712	52 Barton Avenue	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00713	55 Barton Avenue	2 psf	Barton Avenue Residential District	Bungalow	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00714	59 Barton Avenue	2 psf	Barton Avenue Residential District	Bungalow	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00716	St. Mary's Church Rectory	2 psf	Barton Avenue Residential District	Frame Vernacular	ca. 1920	Not Evaluated by SHPO	Not Eligible	
8BR00722	1201 Rockledge Drive	2 psf	Rockledge Drive Residential District	Bungalow	ca. 1915	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00723	H.S. Williams Residence	2 psf	Rockledge Drive Residential District	Queen Anne Revival	ca. 1885	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00732	1283 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00735	1291 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1900	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00736	1297 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1909	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR00737	1305 Rockledge Drive	2 psf	Rockledge Drive Residential District	Mediterranean Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00738	1311 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1925	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00739	1319 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1910	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00740	1323 Rockledge Drive	2 psf	Rockledge Drive Residential District	Georgian Revival	ca. 1909	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00741	1323 1/2 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1909	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00742	1321 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1909	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00744	1347 Rockledge Drive	2 psf	Rockledge Drive Residential District	Bungalow	ca. 1920	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00745	1357 Rockledge Drive	2 psf	Rockledge Drive Residential District	Mediterranean Revival	ca. 1929	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00746	1359 Rockledge Drive	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00747	R.L. Geiger Residence	2 psf	Rockledge Drive Residential District	Queen Anne Revival	ca. 1890	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR00748	14 Park Avenue	2 psf	Rockledge Drive Residential District	Frame Vernacular	ca. 1924	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo

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FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR02171*	St Mary's Church 1940 Rectory	2 psf	Barton Avenue Residential District	Other	1940	Not Evaluated by SHPO	Not Eligible	No Photo
8BR02837	904 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02839	934 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1949	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02840	1002 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1926	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02841	1008 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1962	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02842	1013 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Ranch	ca. 1953	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02843	1018 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1951	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02845	Crestwood Apartments	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1953	Not Evaluated by SHPO	Eligible as RG Contributor	


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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR02847	1128 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1960	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02848	1135 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Ranch	ca. 1961	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02849	1136 Indian River Avenue	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1953	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02878	1136 Riverside Drive	2 psf	Titusville Downtown Residential Historic	Ranch	ca. 1957	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02881	103 St. Johns Street	2 psf	Titusville Downtown Residential Historic	Masonry Vernacular	ca. 1935	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02886	322 S. Washington Avenue	2 psf	Titusville Commercial District	Masonry Vernacular	ca. 1957	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
8BR02888	Southern Room Lounge and Package	2 psf	Titusville Commercial District	Masonry Vernacular	ca. 1888	Not Evaluated by SHPO	Eligible as RG Contributor	No Photo
Resource Groups								
8BR00564	Cocoa Historic District	2 psf	N/A	Masonry Vernacular; Mediterranean Revival	1882–1930	Insufficient Information	Eligible	

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR02143	Rockledge Country Club Resource Group	2 psf	N/A	No Style	1927–1957	Insufficient Information	No Access	
8BR02935	Titusville Downtown Residential Historic	2 psf	N/A	Masonry Vernacular; Ranch; Queen Anne; Frame Vernacular	1891–1962	Not Evaluated by SHPO	Eligible	
8BR03345*	Cocoa Maintenance Yard	2 psf	N/A	Masonry Vernacular	ca. 1940	Not Evaluated by SHPO	Not Eligible	No Photo
8BR03407	Carpenter Homes Complex	2 psf	N/A	Masonry Vernacular	1949	Insufficient Information	Not Eligible	No Photo
8BR03921	Richard E. Stone Historic District	2 psf	N/A	Masonry Vernacular	1890	Not Evaluated by SHPO	Not Eligible	
Cemeteries								
8BR01979	City Point Cemetery	2 psf	N/A	No Style	1878	Not Evaluated by SHPO	No Access	No Photo
8BR02401	White Lilly	4 psf	N/A	No Style	Early Twentieth Century	Not Evaluated by SHPO	Eligible	






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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR02406	Mt. Carmel Missionary Baptist Church Cemetery	2 psf	N/A	No Style	1918	Not Evaluated by SHPO	Eligible	
8BR02411	Dennis Sawyer Cemetery	2 psf	N/A	No Style	ca. 1956	Not Evaluated by SHPO	Eligible	
8BR02785	Evergreen Memorial Cemetery	2 psf	N/A	No Style	1942	Not Evaluated by SHPO	Not Eligible	
8BR02786	Canaveral Groves Cemetery	2 psf	N/A	No Style	1884	Not Evaluated by SHPO	Not Eligible	
8BR02808	Pinecrest Colored Cemetery	2 psf	N/A	No Style	ca. 1940	Not Evaluated by SHPO	Eligible	

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Table 6-2. Survey of Previously Recorded Architectural History Resources Results Summary.

FMSF Number	Name/Address	psf Threshold	Resource Group (RG)	Style	Year Built	Prior SHPO Determination	SEARCH Recommendation	Resource Photograph
8BR03000	Pinecrest Cemetery	2 psf	N/A	No Style	1925	Not Evaluated by SHPO	Not Eligible	
8BR03334	Fisher Plot	4 psf	N/A	No Style	1884	Not Evaluated by SHPO	No Access	No Photo
8BR04482	Davis Memorial Cemetery	2 psf	N/A	No Style	1940	Not Evaluated by SHPO	Eligible	
8BR04574	Oak Ridge Cemetery	2 psf	N/A	No Style	ca. 1916	Not Evaluated by SHPO	Eligible	

**Survey determined the resource is no longer extant.*

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6.1.2 Windshield Survey for Previously Unrecorded Historic Properties

The purpose of the windshield survey for previously unrecorded historic properties was to identify architectural styles, distinguishing characteristics, and general development patterns in areas with a high concentration of unrecorded resources (those likely to be 45 years old or older) to reasonably analyze the effects on notable characteristics, such as stained-glass windows and decorative woodwork, as a result of the SSH launch and landing activities. The windshield survey follows the methodology outlined in **Section 5.2** and is described in three subsections, based on the geographic areas covered by each team of surveyors. The first subsection describes the trends found within the APE on the mainland north of Titusville to the northern terminus of the APE. The second subsection describes the trends within the APE on the mainland south of Titusville to the southern terminus of the APE. The third subsection describes the trends within the APE on Merritt Island outside of federal land holdings.

Titusville North

Circa 1948, the historic core of Titusville was roughly bounded by Indian River to the east, South Street (Route 1) to the south, Deleon Avenue to the west and Garden Street to the north (USGS 1949o). Much of this area, in addition to areas immediately adjacent, has been surveyed previously. Most of the resources in these areas predate 1945. Post-World War II development in Titusville, when compared to southern areas of the APE, was somewhat inconsistent prior to the 1960s. While Titusville experienced the general trends of post war housing, it was not as conveniently located to Patrick AFB, which likely limited large scale development until the announcement of NASA's development of Kennedy Space Center. No subdivision reviewed, researched, or surveyed in areas surrounding Titusville predates 1955 (Whispering Hills Golf Estates) and of those filed in the 1950s, most are from 1958 and 1959. While many of the subdivisions in the south area of the APE are rectangular in plan (the single exception is Levitt at Buckingham), many subdivisions in the north have more curvilinear roads and boundaries. The best example of this conglomeration of subdivisions west of S. Park Ave, some of which are rooted in the proposed development of the Blueberry Drive area as a golf course in the 1920s. Whispering Hills Golf Course, near to Whispering Oaks, was advertised in NASA's 1962 Launch Operation directorate (NASA, 1962).

The immediate surrounds of Titusville, which are in the APE, include two subdivisions of note. Indian River Heights, near Cheney Highway, is a redevelopment of a paper subdivision (i.e., a development that only existed on paper and was not constructed) first filed in 1871. Whispering Oaks, a subdivision off South Park Avenue, features the most consistently architecturally distinctive residences viewed in the subdivisions included in the windshield survey. The single-family homes are a variety of Contemporary brick ranches with different configurations of butterfly and slant, gable, and flat roofs. Some still feature carports. Unfortunately, while the roof lines are distinctive and unlike many others seen in the APE, many of the homes exhibit changes to fenestration, including enclosure of the carports for additional living space as well as replacement windows and doors (**Figure 6-1**).

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Figure 6-1. Streetscape and representative examples of houses within Whispering Oaks subdivision, Titusville.

Titusville South

The map review and subsequent heat mapping indicated that the dominant development south of Titusville would be near the historic cores of Titusville and Cocoa, which includes heavy post-World War II residential development on either side of US Route 1, in addition to pockets of industrial and commercial development associated with the rail and highway corridor between the two municipal centers. Survey confirmed these patterns to be accurate while revealing additional nuances of these patterns, described below.

Areas of Cocoa and Rockledge between the Indian River and US Route 1 contain resources typically associated with Florida's late nineteenth and early twentieth century development. Heat mapping indicated that the largest concentrations of previously unevaluated resources associated with this era would be located close to the Indian River. This area is noted for its High style, while larger, grander homes were found facing the Indian River and smaller, less styled homes were found on east/west streets connecting the Old Dixie Highway with Indian River Drive and Rockledge Avenue. The area between the Indian River and US Route 1 also holds a large number of previously recorded resources. The largest concentrations of unevaluated resources

from this area are on Indian River Drive, a small number of Cocoa Village streets, and south of Rockledge Drive Historic District.

Indian River Drive, north of Cocoa, has a collection of residences that face the Indian River Drive; however, the concentration and cohesion found here does not compare to the Rockledge Drive Historic District (**Figure 6-2**). Notable structures in this area are the former City Point Church, a ca. 1940 Colonial Revival residence, and a Spanish Revival residence. Residences in this area, including the east/west roads which connect Indian River Drive with Old Dixie Highway or US Route 1, range from the early twentieth century through the 1980s. The buildings in this area are indicative of the general trends within the area; however, most buildings lack high style elements and/or have reduced integrity.



Figure 6-2. Representative examples of residences on Indian River Drive north of Cocoa.

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Representative buildings observed within Cocoa Village, but outside the listed historic district, include a cluster of late nineteenth and early twentieth century structures on Derby and Delannoy streets, featuring styles such as Stick and Craftsman.

The area also includes a notable concentration of wood frame vernacular homes from the same period that were not commonly observed in other areas of the APE (see **Figure 6-3**). The ca. 1920 Derby Street Chapel (8BR00311) is near this cluster of residences (**Figure 6-4**). It was constructed as a Seventh Day Adventist Church and is currently leased by the First Baptist Church of Cocoa.



Figure 6-3. Residences on Derby and Delannoy Streets in Cocoa. Clockwise from upper right: Derby Street, looking NE; 103 Derby Street, Derby Street looking NE; 536 Delannoy Street, Cocoa.



Figure 6-4. Derby Street Chapel (8BR00311), Cocoa.

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There is a lack of cohesion south of the Rockledge Drive Historic District, which precludes a southern extension of the district; however, there are distinctive residences between Park Avenue and Coquina Street. These include 1935 Rockledge Drive, 1929 Rockledge Drive, and 1833 Rockledge Drive. Otherwise, the residences in this area, including the cross streets, include a variety of styles, most of which are undistinctive or have integrity concerns. **Figure 6-5** provides representative photographs of the trends.



Figure 6-5. Representative photos of the types of resources and streetscapes in the Rockledge Drive area, Rockledge.

1929 Rockledge Drive and 1935 Rockledge Drive are two examples ca. 1920 wood frame vernacular residences with minimal changes compared to the extensive alterations observed at many similar age and styled homes in this section of Rockledge Drive (see **Figure 6-5**; **Figure 6-6**). There are similar examples of wood frame, vernacular homes on the Indian River Drive north of Cocoa on Indian River Drive.

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Figure 6-6. 1929 Rockledge Drive (L) and 1935 Rockledge Drive (R), Rockledge.

1833 Rockledge Drive is an excellent example of the Art Moderne style. Virginia McAlester writes in *A Field Guide to American Houses: the definitive guide to identifying and understanding America's domestic architecture* that the style “was extremely rare in [single family,] domestic architecture” (McAlester 2013:581). The single-story residence embodies the style through its smooth stucco finish, flat roofing, asymmetrical façade, and horizontal emphasis, which is accentuated through the brick band running around the exterior at the same height of the entry porch (Figure 6-7). It also features many curved windows and glass blocks.

The heat maps indicated the dominating development pattern in the APE south of Titusville is post-World War II subdivision of open space to create housing in the economic boom of the military industrial complex. However, the APE holds some notable non-residential buildings from the pre-war period.



Figure 6-7. Art Moderne residence at 1833 Rockledge Drive, Rockledge.

One is the Medical Arts Building (1004 Beverly Drive), associated with the former Wuestoff Hospital in Rockledge. Funds for the hospital were donated by Eugene Wuestoff, of Milwaukee. The hospital, constructed east of the 1940 Medical Arts Building, has undergone tremendous

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change (**Figure 6-8**). However, the Medical Arts building is a local example of how modern architectural movements, in this case the International Style, influenced vernacular architecture. Characteristics of the office building shared with the International style are large window groupings, vertical windowless walls, smooth brick cladding, and a flat roof. The entrance is recessed and not as emphasized as other exterior aspects, another characteristic of the style (see **Figure 6-8**).

Maps show many of the region's subdivisions were clustered around Cocoa and Rockledge with some in Port St. John. This cluster is roughly bounded by the Indian River to the east, Roy Wall Boulevard to the south, Interstate 95 to the west and State Route (SR 528) to the north. The designation of the former Banana River AFB as the nucleus of America's long range missile capabilities near immediately outpaced the available housing. The opening of Cape Canaveral Launch Area for the Joint Long Range Proving Ground (JLRPG) at Patrick AFB (former Banana River NAS) and the subsequent establishment of NASA exacerbated housing and infrastructure needs from Titusville to Melbourne, as well as the small communities on Merritt Island. The Titusville crossing of the Indian River provided access to the northern-most, undeveloped reaches (as compared to the Cocoa Beach area). The Indian River crossings at Cocoa and Melbourne were 14 and 12 road miles to Patrick Air Force Base, respectively. Cocoa was 12 miles to the Cape Canaveral launchpads when it opened.



Figure 6-8. Former Wuesthoff Hospital Medical Arts Building (top) and Hospital (Bottom)

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Research revealed that because most of the housing constructed at Banana River AFB would be exhausted by commissioned officers and senior non-commissioned personnel, immense pressure was on the local community to provide housing for the near overnight increase of personnel that arrived. This pressure was also in addition to the commonly understood patterns of post-World War II housing trends, including the near cessation of multi-generation co-habitation, increased birthrate, and the migration out of cities and rural areas into suburban areas. There is one interesting pattern exhibited in the Cocoa-Rockledge area that informs how this area may have bridged the gap between rapid, large-scale subdivision development starting in mid to late 1950s and the near immediate housing need in the late 1940s and early 1950s. This indicates how one municipality attempted to address it, as well as relying on the existing rental market and developers.

While the JLRPG wasn't announced until 1950, the *Evening Tribune* made at least one mention that municipal and business leaders (including Tribune staff) were aware of details (*Evening Tribune*, 19 January 1950:2). Even if that is untrue, all were likely savvy men who paid attention to not only the activities at the station when it was turned over to the Air Force in 1948, but the Department of Defense's interest in rocket research and development. Research indicated there was little detail available about what the Air Force would do at the site beyond rehabilitating the extant buildings and cleaning up vegetation. This may point to quiet communication or understanding that something big was slated to come. This was all but confirmed when, after the selection was made, the Air Force published facts about the program, including that Banana River was identified by the DoD as the ideal site by 1947. Rapid development of the area resulted in a large number of parcels being constructed in the same period (1946 to 1970), which provides an appropriate starting point for deeper assessment. SEARCH's survey and review of the plat maps revealed that the post-1945 development in Cocoa-Rockledge was concentrated in a north-south band along Fiske Boulevard beginning ca. 1955 and winding down ca. 1964 (**Figure 6-9**).

Some of the first subdivisions planned for the Cocoa-Rockledge area were not in large undeveloped areas west of US Route 1, which served as the western commercial boundary, but rather smaller areas between Old Dixie Highway and the Indian River. Presumably, this was the easiest area to develop – infrastructure was extant, and it was close to the downtown commercial areas. Examples of these areas are Sherwood Forest (1949), Riverview Acres (1953), and Mayfield (1951) subdivisions in Cocoa. Rockledge had fewer, but an early example of this pattern is Rockledge Villas (1951). Flamingo Heights was planned in 1956, and while crossing over with some of the first subdivisions planned for west of US 1 Route, represents the common patterns of the early subdivisions of the Cocoa/Rockledge area (**Figure 6-10**). Representative examples of houses in these areas are in **Figure 6-11**.

However, the greatest concentration of subdivisions is west of US Route 1. SEARCH conducted windshield survey for more than 50 percent of these developments. There are likely other subdivisions within these areas; however, review of the plat maps available from the Brevard County Registry of Deeds, reveals that many of these were likely small developments, perhaps only a street.

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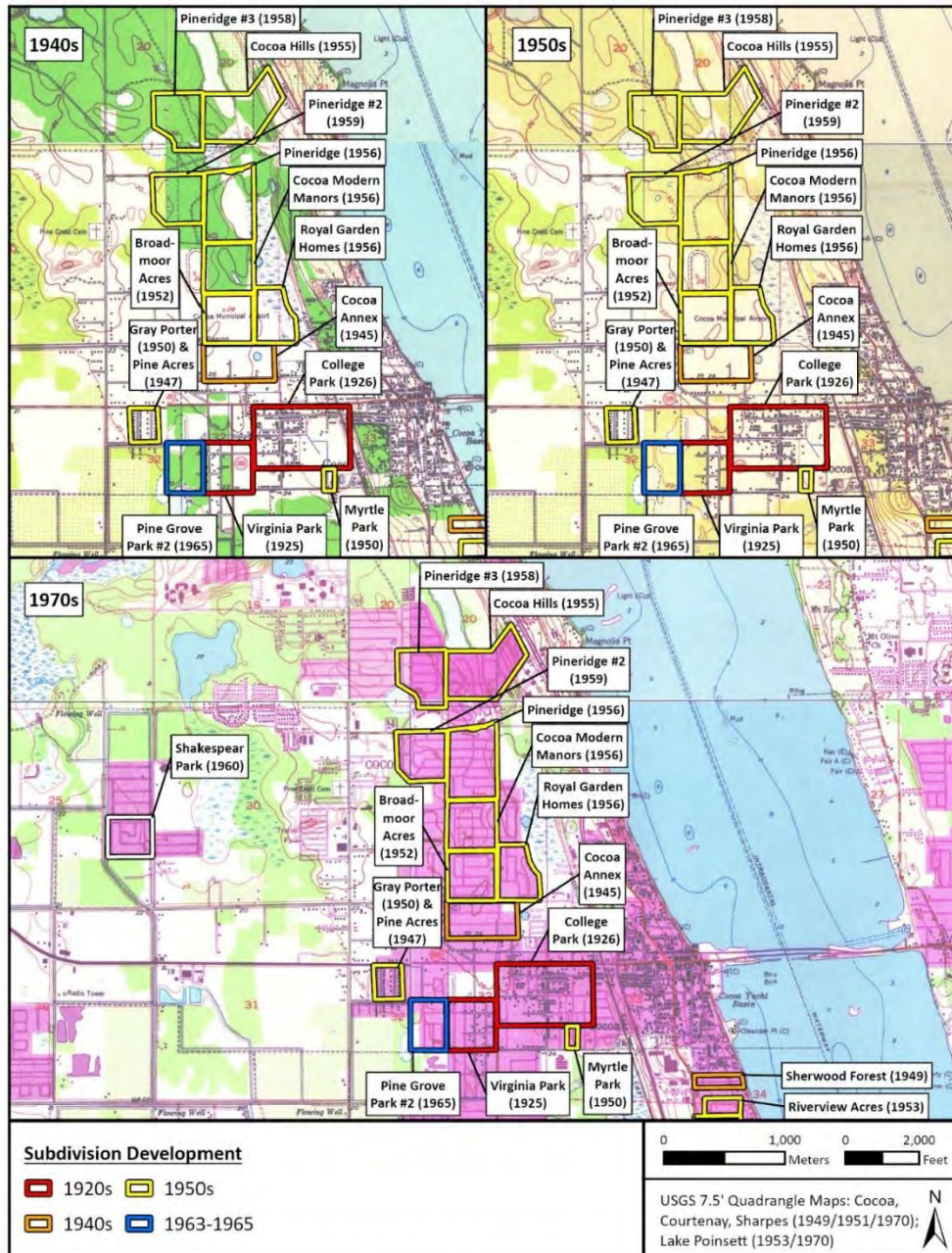


Figure 6-9. Development of Fiske Boulevard area subdivisions.

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Figure 6-10. Representative homes on Dudley Drive, Flamingo Heights, Rockledge.

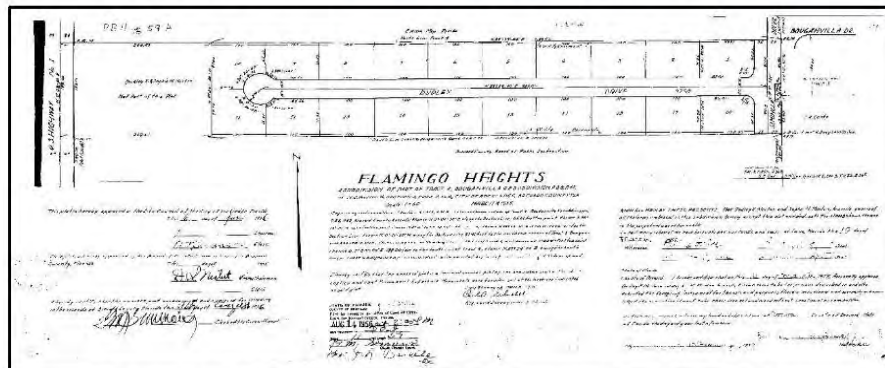


Figure 6-11. Plan of Flamingo Heights (Brevard County Registry of Deeds, 1956).

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Twenty-five subdivisions are mapped in **Figure 6-9**, showing the furthest extent of development identified in plat maps, the earliest date filed with the Brevard County registry of deeds for each subdivision, and color coding to illuminate development trends over time. One of the most significant concentrations is on either side of Fiske Boulevard north from Dixon Boulevard south of one of the largest subdivisions in this area, Levitt Park at Buckingham, in Rockledge.

The first area developed is five blocks north of King Street – and represented the largest open space closest to the bridge and causeway to Cocoa Beach. These characteristics would make it an attractive, affordable place to live, close to a critical river crossing accessing Patrick AFB. The first subdivisions on the north side of School Street were Broadmoor Acres (1952) and Royal Garden Homes (1956). Cocoa Modern Manors (1956), and Pine Ridge (1956) pushed north to Dixon Boulevard. Cocoa Hills (1955) was established north of Cocoa Modern Manors along with the expansion of Pineridge (1958). All of which were wholly, or partially within, the former Cocoa municipal airport tract, which the city annexed for housing development in the early 1950s.

College Park and Virginia Park, south of School Street, were two subdivisions planned ca. 1925 (Evening Tribune, 18 January 1923). Survey showed that these were either never fully developed or were redeveloped at a later date. The only physical evidence that College Park was planned prior to the post war expansion is the ca. 1920 Harry T. Moore Center, a former school which now serves as a cultural center. Research also indicates that both College Park and Virginia Park may have been intended and planned for black residents. In 1952, the Cocoa Housing authority sought to redevelop the area for affordable housing for African Americans (Evening Tribune, 15 February 1952). Plat maps associated with the redevelopment were not identified. Fairway Estates (1964) and Rockledge Country Club Estates (1963) were constructed east and north, respectively, of the NRHP-eligible Rockledge Golf Club. Otherwise, development south into Rockledge is largely limited to the mid-1960s onwards, with a few exceptions.

The types of houses observed within the subdivisions were nearly identical: rectangular in plan, symmetrical fenestration, low pitched gable or hipped roofed with car ports or integrated garages. While some retained aluminum windows, replacement windows and doors were pervasive. The settings of the subdivisions were also common and followed Federal Housing Authority guidance of minimal lot size, setbacks, curbing, road width, including a single access point from state or large roadways. The presence of established vegetation ranged from small hedges and bushes planted along foundations to palm trees and large oaks that predate the subdivisions. There were only a few observed parks planned within the subdivisions. There were at least three schools observed to be constructed in the same period. **Figure 6-12** and **Figure 6-13** features representative examples of the typical setting and slight variations in post -1945 housing observed in the windshield survey. Florida Memory has historic photos of Pineridge, taken by Charles Lee Brown in 1958 (Brown 1958). The photographs provide an excellent illustration of the consistent changes since construction observed during this effort (**Figure 6-14**).

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Figure 6-12. Representative examples of Streetscapes and housing types observed.

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Figure 6-13. Representative examples of streetscapes and typical housing observed.

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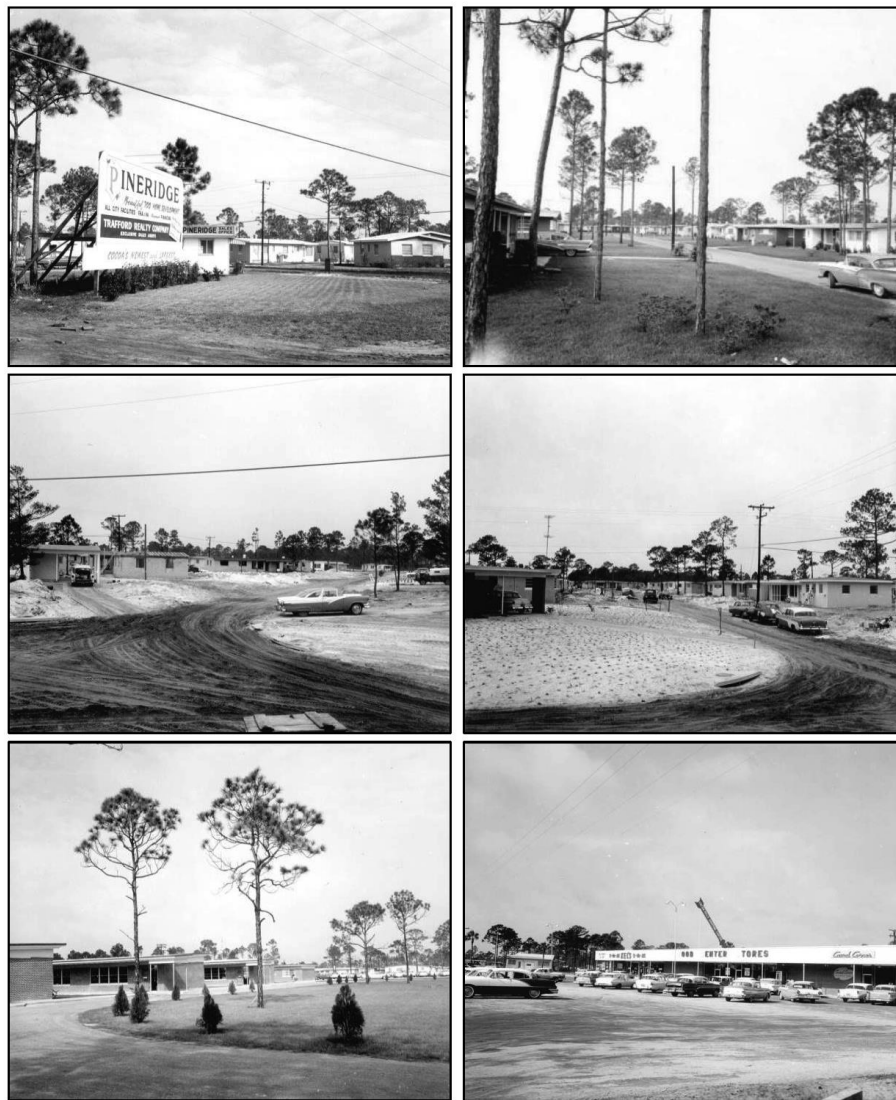


Figure 6-14. Clockwise from upper right: Pineridge after construction (1-3), shopping center, presumed to be at Dixon Boulevard and Pineda Street, elementary school, presumed to be current Endeavor School at 571 Pineda Street, Pine Ridge under construction ca. 1958 (Brown 1958).

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Few notable commercial, municipal, religious or other buildings constructed after 1945 were observed within this section of the APE. Character defining features in this area include, but are not limited to, smooth surfaces of concrete or brick, fenestration that would be irreplaceable (aluminum windows with simple glass panes), and flat roofs. SEARCH recommends these buildings are unlikely to be adversely affected by SSH launch and landing activities.

The Brevard County Farm Bureau at 111 Virginia and the Cocoa Housing Authority building at 807 Blake Avenue are the best examples of non-residential architecture associated with the post-World War II development era observed south of Titusville (**Figure 6-15**). The character of their association with this era is embodied by the use of concrete and stucco, flat and low pitch gable roof and asymmetrical fenestration. Red bands in the elevations of the Cocoa Housing Authority emphasize the horizontal form of the building.

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Figure 6-15. Brevard County Farm Bureau at 111 Virginia Street (R), and Cocoa Housing Authority at 807 Blake Avenue (L).

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Churches constructed after 1945 are also represented in the APE south of Titusville. The First Baptist Church of Rockledge is an excellent example of a modern, vernacular church in a suburban setting (Figure 6-16). Each exhibits modern architecture detail such as smooth facades, large windowless expanses, emphasis on linear spaces, and use of metal and concrete. Other churches within this area of the APE are vernacular in style.



Figure 6-16. First Baptist Church of Rockledge, 1810 Cedar St.

Merritt Island

Merritt Island is bounded by Indian River to the west; the Atlantic Ocean the east; and is partially bisected by the Banana River and Newfound Harbor. Development on Merritt Island consists of post-World War II residential, commercial, and recreational development along the east and west sides of the island, with industrial/military development concentrated in the northern and southern portions of the island.

Research into the history of Merritt Island indicates that Euro-American occupation largely originated in the form of agricultural land and plantations along the western coast in the mid-to-late-eighteenth century. In 1837, Fort Ann was constructed along the eastern side of the island, near what is now known as the Haulover Canal, as a supply depot (Brevard County Historical Commission 2016). Following the Civil War, small settlements were established at Indianola, Haulover, Clifton, and Shiloh; the latter three, by formerly enslaved peoples. During this time, boats were the only form of transportation to and from the island. Construction of the first bridge in 1917 not only allowed for a more efficient means of transporting agricultural goods, but it also opened the island to tourism and the resort trade (Bendix Field Engineering Corporation 1973:5). Many of Merritt Island's earliest buildings were documented during previous survey efforts. Notable examples from Merritt Island's earliest days include the Jonathan H. Sams Farmstead (8BR04299) and the J.R. Field Homestead (8BR01702) (see **Appendix C**).

While Merritt Island's population increased significantly following World War II, with the establishment of NASA facilities in the northern portion of the island and Patrick AFB in the southern portion (located outside the APE), significant residential development did not begin until the 1950s. A small number of beach houses predating this era are located in Cocoa Beach. Many of these are characterized as wood-framed vernacular residences, while others are characterized by a more defined style, such as the Mission Revival style (Figure 6-17–Figure 6-19).

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Figure 6-17. 2735 N Atlantic Avenue (1943) and 333 Holman Road (1939) are examples of framed vernacular residences in the Cocoa Beach area.

These early styles of Merritt Island characteristically possess minimal decorative detailing. It was noted during the survey that many of these resources have experienced some alterations, such as replacement doors or windows or exterior additions, while others appear to have been completely reconstructed and lack all historic, character-defining features.

Significant residential development on Merritt Island during the 1950s includes, among others, Cocoa Isles and Rock Isles, waterfront subdivisions located near Cocoa Beach off Highway A1A. In keeping with other residential developments of the era, Cocoa Isles and Rock Isles consist of one- and two-story Contemporary-style, custom-designed residences constructed between 1958 and 1969 (**Figure 6-18**). Typical characteristics identified within the developments include low-pitched roofs with wide, overhanging eaves; recessed entryways; ornamental masonry walls; broad and low chimneys; and attached garages or carports. Typical alterations noted during the survey included replacement doors or windows or enclosed carports to expand the interior living space.



Figure 6-18. 236 Jamaca Drive (1963) in Rock Isles and 650 Java Road (1958) in Cocoa Isles are examples of Contemporary residences on Merritt Island.

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Figure 6-19. 105 and 110 Praetorius Lane (1928) are examples of Mission Revival-style residences in the Cocoa Beach area.

The windshield survey concluded that a large concentration of unsurveyed properties in the APE is associated with post-1945 subdivision development. Research and heat mapping informed the surveyors that these subdivisions ranged from single street developments to multi-phased neighborhoods. Some, but not all, may be associated with the rapid development of the JLRPG and NASA. Based on guidance provided in the NCHRP's *A Model for Identifying and Evaluating the Historic Significance of Post-World War II Housing* (NCHRP 2012b) and *Florida Statewide and Regional Historical Contexts: Post-World War II Structural Resources* (Janus Research 2024), SEARCH recommends the subdivisions in the APE are eligible under Criterion C. However, it is likely that some may have significance under Criterion A pending additional research, which is outside the scope of this study. With most constructed during the period associated with the JLRPG and NASA programs, part of their character may be connected to the visual and atmospheric events associated with NASA KSC launch activities. As such, adverse effects are considered unlikely.

6.2 ARCHAEOLOGICAL DESKTOP ANALYSIS RESULTS

The FMSF Geographic Information System database was researched to identify archaeological sites within the APE. Sites that were documented to include a site type with clear aboveground components such as precontact mounds, building remains, or structures were further researched. Modern aerial imagery (Google Earth Pro 2025) and site details recorded in the FMSF for the last field visit were reviewed to assess the potential for aboveground components that may contribute to NRHP eligibility to be extant. Sites that were previously found to be ineligible for listing in the NRHP and presumably lack integrity, significant historical associations, and information potential were excluded because impacts to these sites are not likely to be significant. Sites that have the potential to contain human remains were accounted for regardless of the presence of aboveground components or NRHP eligibility.

There are 354 sites recorded on the FMSF database within the APE (see **Appendix E**). Of these sites, 261 do not have the potential to retain aboveground components, may have aboveground

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components but were determined ineligible, or do not contain human remains. The remaining 93 sites within the APE are eligible for listing, potentially eligible for listing, or have not been evaluated for the NRHP, and are recorded in the FMSF as site types with aboveground or landscape features or could contain human remains (**Table 6-3**). Site types that are listed in the FMSF and considered to have the potential for aboveground or landscape features include precontact mound(s), building remains, farmstead, homestead, or any type of structure. There are 15 sites that have the potential to retain aboveground components that may contribute to the site's NRHP eligibility. Of these sites, there are several that are likely to be heavily disturbed and no longer retain their aboveground components, are destroyed, or are at risk due to shoreline erosion.

In a Technical Memorandum prepared for NASA and KSC by TRC in 2024, Sites 8BR00084, 8BR0540, and 8BR0544, were revisited and reported to be likely destroyed, Site 8BR0161 is heavily disturbed or destroyed, and Site 8BR0206 is at risk due to shoreline erosion (TRC 2024) and is actively eroding into the Banana River. Following review of modern aerial imagery and information regarding the last site visit in the FMSF, Mound Sites 8BR00031, 8BR00064, 8BR00065, 8BR00066, 8BR00069, 8BR00089–8BR00095, 8BR02400, and 8BR03279 are likely destroyed by development. The buildings were razed or removed (leaving only the potential for artifact scatters and no foundation remnants) at Sites 8BR00223, 8BR00239, 8BR00240, 8BR00243, 8BR00243C, 8BR02160, 8BR02161, 8BR02165, 8BR02167, 8BR02229, 8BR02351, 8BR02507, 8BR02680, and 8BR03048, and the building remains for Sites 8BR00540, 8BR00544, and 8BR02078 are likely destroyed by development.

There are 34 site types that are documented in the FMSF to contain mounds or shell middens that are possible mounds as suggested by their site name. Two sites with mounds (BR00086, BR01673) are NRHP-eligible. Review of modern aerial imagery indicated that both mounds are within heavily vegetated and undeveloped areas and have the potential to retain aboveground features. Sites BR00086 and BR01673 are approximately 18.9 km (11.8 mi) south and 20.4 km (12.7 mi) northwest respectively from LC-39A. Site BR00064 is ineligible but is documented as potentially containing human remains, although the site has been extensively disturbed and the last survey did not confirm the presence of human remains. The remaining 31 sites are not eligible, not evaluated, or have insufficient information. Of these sites, 13 are within developed areas and review of modern aerial imagery identified no clear evidence of a mound, and seven are within densely vegetated areas with no obvious disturbance or development and have the potential to retain aboveground features. Some site disturbances, human and natural, are documented in the FMSF concerning sites with mounds. A portion of BR00063 is on private property and was documented as disturbed by digging activity. Mound Sites 8BR00031, 8BR00064, 8BR00065, 8BR00066, 8BR00069, 8BR00089–8BR00095, 8BR02400, and 8BR03279 are likely destroyed, as modern aerial imagery depicts these areas as developed.

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Table 6-3. Archaeological Sites Potentially Containing Human Remains or are NRHP-Eligible or Unevaluated within the APEs with the Potential for Aboveground or Landscape Features that could contribute to NRHP eligibility.

Site ID	Site Name	Site Type with Aboveground Component	Potential NRHP Contributing Aboveground Component	NRHP Status	psf Threshold
8BR00031	--	Precontact mound(s)	No	Not evaluated	2
8BR00062*	Moore Mound	Precontact mound(s)	Yes	Not evaluated	4
8BR00063*	Sams Mound	Precontact mound(s)	Yes	Not evaluated	4
8BR00065	--	Precontact mound(s)	No	Not evaluated	2
8BR00066	--	Precontact mound(s)	No	Not evaluated	2
8BR00069*	--	Precontact mound(s)	No	Not evaluated	2
8BR00077*	Nauman's Place	Precontact mound(s)	No	Not evaluated	4
8BR00078	Dummett's Place	Building remains	Yes	Not evaluated	4
8BR00078B	Dummett Homestead	Building remains	Yes	Potentially Eligible	4
8BR00064*	Tiffin Mound	Precontact mound(s)	No	Ineligible	4
8BR00083*	De Soto Grove Burial Mound	Precontact mound(s)	Yes	Eligible	6
8BR00084	--	Historic fort	No	Not evaluated	10
8BR00085*	Burns	Precontact mound(s)/ homestead	No	Insufficient Information	4
8BR00086*	Holmes Mound	Precontact mound/ Building remains/ homestead	No/Yes	Eligible	4
8BR00087	Gulbransen Mound	Precontact mound(s)/ homestead	No	Not evaluated	4
8BR00088A*	Hammock Mound A	Precontact mound(s)/ homestead	No	Not evaluated	4
8BR00088B	Hammock Mound B	Homestead	No	Not evaluated	4
8BR00082A*	De Soto Grove Midden A	Homestead	No	Eligible	6
8BR00088C	Hammock Mound C	Precontact shell midden/ possible mound(s)	No	Not evaluated	4

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Table 6-3. Archaeological Sites Potentially Containing Human Remains or are NRHP-Eligible or Unevaluated within the APEs with the Potential for Aboveground or Landscape Features that could contribute to NRHP eligibility.

Site ID	Site Name	Site Type with Aboveground Component	Potential NRHP Contributing Aboveground Component	NRHP Status	psf Threshold
8BR00089*	Norris Mound	Precontact mound(s)/ homestead	No	Not evaluated	4
8BR00090*	Fuller Mound A	precontact mound(s)	No	Not evaluated	4
8BR00091*	Fuller Mound B	precontact mound(s)	No	Not evaluated	4
8BR00092	Fuller Mound C	precontact mound(s)	No	Not evaluated	4
8BR00093*	Fuller Mound D	precontact mound(s)	No	Not evaluated	4
8BR00094*	Fuller Mound E	precontact mound(s)	No	Not evaluated	4
8BR00095	Fuller Mound F	precontact mound(s)	No	Not evaluated	4
8BR00142*	Butler Campbell's Mound	precontact mound(s)	No	Not evaluated	2
8BR00150*	Oyster Prong Creek Mound	precontact mound(s)	Yes	Not evaluated	6
8BR00151*	--	precontact mound(s)	Yes	Insufficient Information	10
8BR00156	--	precontact mound(s)	Unknown	Not evaluated	4
8BR00175	Fort Ann	Historic fort	Yes	Not evaluated	2
8BR00205	Max Hoeck Mound and Midden	precontact mound(s)	Yes	Not evaluated	10
8BR00140*	Edwards	precontact mound(s)	No	Not evaluated	2
8BR00206	Pepper Hammock	precontact mound(s)	Unknown	Insufficient Information	20
8BR00145*	Clark Slough	Precontact burial(s)	No	Eligible	6
8BR00223*	Quartermen	Building remains/ historic burial(s)/ farmstead	No	Insufficient Information	6
8BR00234	Old Lighthouse	Building remains	No	Not evaluated	4
8BR00238A	Canaveral Town Site B	Building remains	No	Insufficient Information	4
8BR00158*	Penny Plot	Precontact burial(s)/ historic burial(s)/ homestead	No	Not evaluated	6

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Table 6-3. Archaeological Sites Potentially Containing Human Remains or are NRHP-Eligible or Unevaluated within the APEs with the Potential for Aboveground or Landscape Features that could contribute to NRHP eligibility.

Site ID	Site Name	Site Type with Aboveground Component	Potential NRHP Contributing Aboveground Component	NRHP Status	psf Threshold
8BR00161*	Cocoa Beach Mound	Possible mound	No	Not evaluated	4
8BR00238B	Canaveral Town Site C	Building remains	No	Not evaluated	6
BR00238C	Canaveral Town Site D	Building remains/ homestead	No	Insufficient Information	6
8BR00238D	Canaveral Town Site E	Building remains/ homestead	No	Insufficient Information	6
8BR00239*	Stinktown And Jeffords	Building remains/ historic burial(s)	No	Potentially Eligible	4
8BR00221*	--	Homestead	No	Eligible	6
8BR00240	Hotel	Industrial	No	Not evaluated	4
8BR00243	Pier Road Houses	House	No	Not evaluated	4
8BR00243B	Pier Road Houses Site B	Building remains	Yes	Not evaluated	4
8BR00243C	Pier Road Houses Site C	Building remains	No	Not evaluated	4
8BR00540	Daigle Place	Building remains	No	Not evaluated	6
8BR00544	Lopez Orchard	Building remains	No	Not evaluated	6
8BR01639	Ns Br 4	Building remains	No	Not evaluated	4
8BR01670	Haulover Canal Midden	Building remains	No	Insufficient Information	2
8BR01673*	Haulover Sand Mound And Midden (A,B)	Precontact mound(s)	Yes	Eligible	2
8BR01872*	Sam's Site	Agriculture/ Farm structure	Yes	Eligible	4
8BR01933*	Little Midden	Building remains	No	Eligible	4
8BR01935	Lone Cistern	Building remains/ farmstead/ homestead	No	Not evaluated	4
8BR02052	Fac 1222 Czir Camera Pad U15r146	Building remains	No	Not evaluated	6
8BR01660*	New Lighthouse Site	Agriculture/ Farm structure/ building remains/ homestead	No	Ineligible	4
8BR02053	Fac 36900: Glotrac Site	Building remains	No	Not evaluated	4

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Table 6-3. Archaeological Sites Potentially Containing Human Remains or are NRHP-Eligible or Unevaluated within the APEs with the Potential for Aboveground or Landscape Features that could contribute to NRHP eligibility.

Site ID	Site Name	Site Type with Aboveground Component	Potential NRHP Contributing Aboveground Component	NRHP Status	psf Threshold
8BR02054	Fac. 114-G: Lc-25 Warning Horn Site	Building remains	No	Not evaluated	4
8BR02055	Facility 1212-Czr Camera Site U36r175	Building remains	No	Not evaluated	4
8BR02078	Pace's Landing	Building remains/homestead	No	Not evaluated	2
8BR02160	Fim Van Site S-5	Building remains	No	Not evaluated	4
8BR02161	Facility 1209-Rate Antenna Pad A	Building remains	No	Not evaluated	4
8BR02165	Facility 289 - Flame Attenuation Site	Building remains	No	Not evaluated	4
8BR02166	James W. Merchant Homestead	Building remains/farmstead	Unknown	Not evaluated	4
8BR02167	Facility 1126: Telemetry Elsse	Building remains	No	Not evaluated	4
8BR02229	Clifton Schoolhouse	Agriculture/ Farm structure/ homestead	No	Insufficient Information	2
8BR01936*	Cabo Verde	Land-terrestrial	No	Ineligible	4
8BR02351	Murray Parcel	Farmstead/ homestead	No	Not evaluated	4
8BR02365	Fac. 1330b: Beat-Beat Dovap 12-110-Plm	Building remains	No	Eligible	4
8BR02396	Fac. 1343: East Compass Rose	Building remains	No	Eligible	4
8BR02400*	Ulumay Lagoon	Precontact mound(s)	No	Not evaluated	2
8BR02085*	Odyssey Street Remains	Precontact burial(s)	No	Not evaluated	4
8BR02513	Facility 1390: Theodolite Tower 1.40	Building remains	No	Not evaluated	6
8BR02514	Facility 1090 Security Police Bldg.	Building remains	No	Not evaluated	6
8BR02680	Klondike Beach Tower Ruins (2311.12)	Building remains	No	Not evaluated	4
8BR03048	Old Macdonald's Farm	Farmstead/ homestead	No	Insufficient Information	2
8BR03152	Clark Slough Earthwork	Precontact mound(s)	Yes	Not evaluated	6
8BR03274	The Dunal Ridge Midden	Precontact mound(s)	No	Not evaluated	4
8BR03279	Beachside Midden	Precontact shell mound(s)	No	Not evaluated	2

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Table 6-3. Archaeological Sites Potentially Containing Human Remains or are NRHP-Eligible or Unevaluated within the APEs with the Potential for Aboveground or Landscape Features that could contribute to NRHP eligibility.

Site ID	Site Name	Site Type with Aboveground Component	Potential NRHP Contributing Aboveground Component	NRHP Status	psf Threshold
8BR03335	Fac. 17200: Weather Theodolite Pad B	Building remains	No	Eligible	6
8BR03336	Fac. 1331: Telemetry Elsee 12-110-Pl	Building remains	No	Eligible	4
8BR03337	Fac. 1333b: Beat-Beat Dovap 14-110-Plm	Building remains	No	Eligible	6
8BR03338	Fac. 1333a: Beat-Beat Dovap 14-110-Pr	Building remains	No	Eligible	4
8BR03339	Fac. 1334: Telemetry Elsee 12-110-Prs	Building remains	No	Eligible	4
8BR03341	Facility 74610: Camera Pad	Building remains	No	Eligible	4
8BR03534	Former Naa Control Tower Site	Building remains	No	Eligible	6
8BR3998	CCAFS Facility 1430 - Shanicle Building	Building remains	No	Not evaluated	4
8BR4532	[REDACTED] Homestead	Building remains	Yes	Not evaluated	4
8BR4656*	Klondike	Land-terrestrial	No	Not evaluated	2

*Human remains are potentially present

6.2.1 Building Remains, Historic Structures, Homesteads, and Farms

There are 55 sites in the FMSF that have a site type indicating the potential existence of aboveground components related to historic-era activity, excluding sites that also contain mounds and the focus of significance is not the historic component. Of these sites, 33 appear to no longer be extant following review of the latest site visit results in the FMSF and modern aerial imagery. Of the remaining sites, 15 are documented to contain aboveground features that are low to the ground or at ground level (such as a concrete pad) that do not contribute to the site's eligibility and there is the potential for aboveground components that could contribute to NRHP eligibility to be extant at eight sites.

Site 8BR00078B is approximately 17.4 km (10.8 mi) northwest of LC-39A, potentially eligible, and is documented to contain a standing chimney structure. Site 8BR00239 is potentially eligible however, the aboveground components of the site are no longer extant and the eligibility is likely to be in the potential for subsurface deposits. Site 8BR01872 is approximately 18.9 km (11.7 mi) southwest of LC-39A and is an NRHP-eligible site with foundation remnants that could potentially retain aboveground components. Site 8BR4532 includes building remains of a twentieth century homestead that were exposed following a prescribed burn, and the site is unevaluated. Sites 8BR00082A, 8BR00221, and 8BR01933 are documented to contain aboveground components

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however, their NRHP-eligible status is due to the potential for subsurface precontact deposits and their aboveground components are no longer extant. Most of the remaining sites are not eligible on their own but contribute to NRHP-listed districts associated with historic activities on NASA KSC and their aboveground components are not extant or have a low profile and do not contribute to NRHP eligibility. Of these sites, six contribute to the Control Tower Tracking Sites District (8BR3433; Sites 8BR02365, 8BR03336, 8BR03337, 8BR03338, 8BR03339, and 8BR03341) and one Site (8BR03335) contributes to Skid Strip Historic District (8BR3186).

6.2.2 Sites Containing or Potentially Containing Human Remains

The FMSF documents 33 sites within the APE that have the potential to contain human remains (see **Table 6-3**). Review of modern aerial imagery shows that many of these areas are densely vegetated with no apparent disturbances, but some sites have likely been destroyed by development including mound Sites 8BR00064, 8BR00069, 8BR00089–8BR00091, 8BR00093, 8BR00094, and 8BR02400 and Sites 8BR00223 and 8BR00239 that potentially contain historic-era burials. In addition, Sites 8BR00077, 8BR00142 and 8BR00145 contain repatriated Native American remains.

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7 CONCLUSION AND RECOMMENDATIONS

SEARCH completed an intensive architectural history survey and NRHP evaluation for 97 previously recorded resources, including 18 NRHP-listed resources or resource groups, 35 resources or resource groups previously determined eligible or “potentially eligible” by SHPO, and 43 resources without SHPO determinations that were previously recommended “NRHP eligible.” SEARCH determined during survey that seven of these previously recorded resources are no longer extant (8BR00681, 8BR00759, 8BR00946, 8BR00953, 8BR01762, 8BR1763, and 8BR01764), and are therefore not eligible for NRHP inclusion. SEARCH recommends all 18 NRHP-listed resources or resource groups retain sufficient integrity to remain listed in the NRHP. SEARCH recommends that 64 previously recorded resources are eligible for NRHP inclusion, that one previously recorded resource is eligible as a resource group contributor (8BR00703), and that six previously recorded resources are not eligible for NRHP inclusion. Additionally, one previously recorded resource (8BR01812) remains unevaluated for NRHP eligibility due to a lack of survey access.

SEARCH completed an intensive architectural resource survey of 142 previously recorded resources that are within existing resource group boundaries, resources without determinations or recommendations, and cemeteries without determinations or recommendations. SEARCH determined during the survey that one resource (8BR02171/St. Mary’s Church Rectory); and one resource group (8BR03345) are no longer extant, and are therefore not eligible for NRHP inclusion. SEARCH recommends that 122 resources are eligible as resource group contributors and that nine resources are eligible for NRHP inclusion. SEARCH recommends that six resources are ineligible for NRHP inclusion. Additionally, two previously recorded cemeteries (8BR01979 and 8BR03334) and one previously recorded resource group (8BR02143) remain unevaluated for NRHP eligible due to a lack of survey access.

SEARCH conducted a windshield survey to identify architectural styles, distinguishing characteristics, and general development patterns in areas with a high concentration of unrecorded resources to reasonably analyze the effects on notable characteristics, such as stained-glass windows and decorative woodwork, as a result of the SSH launch and landing activities. Areas of concentration in Titusville North, Titusville South, and Merritt Island were identified to characterize architectural styles, distinguishing characteristics, integrity, and inform interpretations about development patterns.

SEARCH completed an archaeological desktop analysis of the 355 archaeological resources recorded in the FMSF within the operational APE. Of these resources, 93 are eligible for NRHP listing, are potentially eligible, or have not been evaluated by the SHPO and are recorded as site types that have the potential to contain above-ground or landscape features, or have the potential to contain human remains. There are 15 sites with the potential to retain above-ground components that may contribute to the sites’ NRHP eligibility.

Within the construction APE, LC-39A is well documented, and no further identification or evaluation of LC-39A is proposed. Furthermore, it is anticipated that proposed new construction

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associated with the operation of the SSH will be compatible with the characteristics of other launch-complex infrastructure and will not pose viewshed effects to historic properties. SEARCH recommends no additional cultural resources investigation or documentation within the construction APE.

Due to the size of the operational APE, this study is limited to the scope described herein. Additional NRHP-eligible historic properties and unrecorded unevaluated resources may be present within the operational APE. Some of these resources may have character-defining features that could be vulnerable to effects resulting from vibratory and sonic-boom overpressure events associated with SSH activities. It is not possible at this time to determine whether adverse effects to these resources will occur.

Within the operational APE, SEARCH recommends that adverse effects resulting from the undertaking are not likely but are possible. Vibratory and sonic-boom events could result in window breakage, damage to character-defining plaster and masonry features, and structural damage to highly vulnerable or poorly maintained buildings. Although it is similarly unlikely—because the nature of longitudinal effects of vibratory and overpressure events on archaeological sites has not been studied thoroughly—adverse effects to such resources cannot be ruled out. The majority of documented resources outside of NASA KSC and CCSFS are within the 2 psf overpressure contour. However, resources located on KSC and CCSFS are within the 20, 10, 6, and 4 psf contours. Resources subjected to higher overpressure resulting from sonic booms may be more susceptible to adverse effects.

7.1.1 Programmatic Agreement Recommendations

Because a final determination of how SSH launch and landing activities will affect historic properties is not possible at this time, the development of a programmatic agreement to monitor for and mitigate potential adverse effects is recommended. Although the stipulations of the programmatic agreement will be negotiated among the consulting parties, SEARCH offers the following recommendations based on feedback received from FAA, NASA, and SHPO on early drafts of this report.

- *Additional efforts to identify and evaluate historic properties.* As discussed in **Section 5**, due to the size of the operational APE and the thousands of resources within its boundary, not all of the many thousands of previously recorded resources within the APE could be discussed within this document. Specifically, 164 previously recorded architectural history resources that have been evaluated by previous surveyors as “NRHP Eligible as Potential Resource Group Contributors” but not evaluated by SHPO were identified within the APE during background research and are omitted from this study. It is possible that these resources contribute significance to existing resource groups or comprise unrecorded resource groups or historic districts. Additional survey, documentation, and evaluation is necessary to determine if these resource groups contribute to existing or unrecorded NRHP eligible historic districts.

Additionally, as discussed in **Section 5**, previously recorded architectural history resources that were determined by SHPO to be ineligible for listing in the NRHP were excluded from this study. Although the background research presented here does not capture these data at the individual resource level, some of these ineligible resources were surveyed and recorded in the FMSF more than 10 years ago. The Florida SHPO frequently recommends that properties determined ineligible more than 10 years ago be resurveyed and reevaluated for NRHP eligibility, as it is possible that they have developed significance individually or as contributors to resource groups in the intervening years. Similarly, additional field survey and updates to FMSF historic structure forms for buildings recommended eligible for NRHP listing either individual or as contributors to resource groups may support long-term efforts to assess effects to NRHP-eligible resource groups.

- *Monitoring historic properties within different psf contours for effects.* As discussed in **Section 5**, the potential for adverse effects to historic properties within the 2 psf is possible, though unlikely, based on existing data. While most historic properties in Titusville and outside of NASA KSC and CCSFS are within the 2 psf contour, several are within the 4 psf counter. However, numerous resources on NASA KSC and CCSFS are within the 4, 6, 10, and 20 psf contours. There is limited data on how historic buildings and structures may be effected by repeated exposure to sonic booms. A longitudinal study monitoring the effects of sonic boom and vibratory effects on historic properties over the long-term could inform consulting parties on the nature and severity of adverse effects to different property types and would serve as a resource for future studies evaluating the potential effects of future undertakings involving spacecraft launches and landings.
- *Monitoring sonic boom overpressure and vibration at archaeological sites.* As discussed in **Section 5**, previous studies on effects to archaeological sites resulting from sonic boom overpressure are limited in scope and make assumptions related to the lack of subsurface effects. Additionally, similar studies focused on resource types such as those within the APE (shell and sand mounds, for example) have not been conducted, and existing archaeological literature does not specifically note, describe, or discuss effects resulting from vibratory and sonic boom-related effects resulting from spacecraft launches (if any). A longitudinal study of surface and subsurface exposure to launch-related overpressure and vibratory events at archaeological sites, combined with targeted excavations to evaluate subsurface integrity of archaeological deposits, may inform whether such exposure results in effects to subsurface archaeological deposits. Additionally, such a study would serve as a resource for future studies evaluating the potential effects of future undertakings involving spacecraft launches and landings.

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APPENDIX A

**PREVIOUSLY RECORDED CULTURAL RESOURCES AT NASA KSC
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