

DRAFT

Environmental Assessment

BLUE ORIGIN NEW GLENN CADENCE INCREASE AT SPACE LAUNCH COMPLEX 36

CAPE CANAVERAL SPACE FORCE STATION, FLORIDA

Appendices A.2 and A.3

September 2026

**Federal Aviation Administration
Department of the Air Force
United States Coast Guard
National Aeronautics and Space Administration**

Unique ID: EAXX-021-12-14Y-1773227485



**Federal Aviation
Administration**

Photo credit Blue Origin

LIST OF APPENDICES

Appendix A Regulatory Consultations A-1

Acronyms and Abbreviations

Acronym	Definition
§/§§	section/sections
ACHP	Advisory Council on Historic Preservation
AHA	Aircraft Hazard Area
APE	Area of Potential Effects
ASEL	A-weighted sound exposure level
BCA	Biological and Conference Assessment
BGEPA	Bald and Golden Eagle Protection Act
Blue Origin	Blue Origin, LLC
CCP	Comprehensive Conservation Plan
CCSFS	Cape Canaveral Space Force Station
CDNL	C-weighted day-night average sound level
CFR	Code of Federal Regulations
CH ₄	methane
CMP	Coastal Management Program
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COMDTINST	Commandant Instruction
CZMA	Coastal Zone Management Act
DAF	Department of the Air Force
dB	decibel(s)
dba	A-weighted decibels
DNL	day-night average sound level
DoD	Department of Defense
DOT	Department of Transportation
DoW	Department of War
EO	Executive Order
EA	Environmental Assessment
EFH	essential fish habitat
EIS	Environmental Impact Statement
ERD	Environmental Resources Document
ERP	Environmental Resource Permit
ESA	Endangered Species Act
FAA	Federal Aviation Administration
FDEP	Florida Department of Environmental Protection
FONSI	Finding of No Significant Impact
HAPC	habitat areas of particular concern
ILV	integrated launch vehicle
INRMP	Integrated Natural Resources Management Plan
IPaC	Information for Planning and Consultation
KSC	Kennedy Space Center
LAA	Limited Access Area
L _{A,max}	maximum A-weighted sound level
lbf	million pounds-force
LC	Launch Complex
LH ₂	liquid hydrogen
L _{max}	maximum sound level
LNG	liquefied natural gas
LOX	liquid oxygen

Acronym	Definition
MBTA	Migratory Bird Treaty Act
MG	million gallons
MGD	million gallons per day
MINWR	Merritt Island National Wildlife Refuge
MMPA	Marine Mammal Protection Act
MSA	Magnuson-Stevens Fishery Conservation and Management Act
MT/yr	metric tons per year
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NEI	National Emissions Inventory
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
No.	Number
NOTAM	Notice to Airmen
NOTMAR	Notice to Mariners
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
OSHA	Occupational Safety and Health Administration
PDC	project design criteria
PLOC	Programmatic Letter of Concurrence
PM	particulate matter
PM ₁₀	particulate matter with a diameter equal to or less than 10 microns
PM _{2.5}	particulate matter with a diameter equal to or less than 2.5 microns
PSD	Prevention of Significant Deterioration
psf	pound per square foot
RNA	Regulated Navigation Area
SCCC	Spaceport Command and Control Center
SHPO	State Historic Preservation Officer
SJRWMD	St. Johns River Water Management District
SLC	Space Launch Complex
SLD 45	Space Launch Delta 45
SpaceX	Space Exploration Technologies Corp.
U.S.	United States
U.S.C.	United States Code
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USSF	United States Space Force
VOL	vehicle operator license

Appendix A Regulatory Consultations

A.2 National Historic Preservation Act (NHPA)

Table A.2-1. Eligible and Unevaluated Archaeological Sites in APE

FMSF #	Site Name	Site Type	NRHP Status
8BR00239/8BR04000	Stinktown and Jeffords/Cape Fish Company	Archaeological District	Eligible
8BR02365	Fac. 1330B: Beat-Beat DOVAP 12-110-PLM	Building remains	Eligible
8BR02396	Fac. 1343: East Compass Rose	Building remains	Eligible
8BR03335	Fac. 17200: Weather Theodolite Pad B	Building remains	Eligible
8BR03336	Fac. 1331: Telemetry ELSEE 12-110-PL	Building remains	Eligible
8BR03337	Fac. 1333B:Beat-Beat DOVAP 14-110-PLM	Building remains	Eligible
8BR03338	Fac. 1333A:Beat-Beat DOVAP 14-110-PR	Building remains	Eligible
8BR03339	Fac. 1334: Telemetry ELSEE 12-110-PRS	Building remains	Eligible
8BR03341	Facility 74610: Camera Pad	Building remains	Eligible
8BR03047	QB-17 Crash Site	Aircraft Wreckage	Eligible
8BR03433	Control Tower Road Tracking Sites	Archaeological District	Eligible
8BR03534	Former NAA Control Tower Site	Building remains	Eligible
8BR00234	Old Lighthouse Site	Building remains	Not Evaluated
8BR0238A	Canaveral Town Site B	Building remains	Not Evaluated
8BR0238B	Canaveral Town Site C	Building remains	Not Evaluated
8BR0238C	Canaveral Town Site D	Building remains	Not Evaluated
8BR0238D	Canaveral Town Site E	Building remains	Not Evaluated
8BR01642	NS BR 7	Precontact Habitation	Not Evaluated
8BR03390	Bronze Cannon Wreck	Shipwreck	Not Evaluated
8BR03995	CCAFS LMU 87 Missile Crash	Land-Terrestrial	Not Evaluated
8BR03997	CCAFS Facility 1485-Camera Pad Site	Land-Terrestrial	Not Evaluated
8BR03998	CCAFS 1430-SHANICLE Building	Building Remains	Not Evaluated
8BR04368	Site One	Shipwreck	Not Evaluated
8BR04369	Site Two	Shipwreck	Not Evaluated

Notes: # = Number; APE = Area of Potential Effects; FMSF = Florida Master Site File; NRHP = National Register of Historic Places.

Table A.2-2. Individual Resources and Historic Districts in APE

FMSF #	Resource Name	Year Built	Style/Type	NRHP Status	NRHP Criteria ¹	Effect
Individually Eligible or Listed Properties						
8BR00212	Cape Canaveral Lighthouse	1867	Other	Eligible, Individual	A, C	No Adverse
8BR01980	Hangar C	1953	Industrial Vernacular	Eligible, Individual	A, C	No Adverse
8BR02185	LC 9/10 Blockhouse	1953	Industrial	Eligible, Individual	A, C	No Adverse

Table A.2-2. Individual Resources and Historic Districts in APE

FMSF #	Resource Name	Year Built	Style/Type	NRHP Status	NRHP Criteria ¹	Effect
8BR02301	LC 11 Blockhouse	1956	Industrial Vernacular	Eligible, Individual	A	No Adverse
8BR02333	LC 36 Blockhouse	1959	Industrial Vernacular	Eligible, Individual	A, C	No Adverse
8BR02336	Skid Strip	1952	No Style	Eligible, Individual	A	No Adverse
8BR04191	ICBM Road	1956	No Style	Eligible, Individual	A	No Adverse
Eligible or Listed Historic Districts						
8BR00216	Cape Canaveral Air Force Station/Man in Space NHL (NRHP #84003872)	Modern, 1950-Present	Historic District	Listed NHL	A, C	No Adverse
8BR01985/ 8BR02022	LC 21-22	Modern, 1950-Present	Historic District	Eligible	A, C	No Adverse
8BR02188/ 8BR02535	LC 9-10/ LC 31-32	Modern, 1950-Present	Historic District	Eligible	A, C	No Adverse
8BR02234	LC 3-4	Modern, 1950-Present	Historic District	Eligible	A	No Adverse
8BR02248	LC 1-2	Modern, 1950-Present	Historic District	Eligible	A	No Adverse
8BR03186	Skid Strip Historic District	Modern, 1950-Present	Historic District	Eligible	A, C	No Adverse

Notes: # = Number; APE = Area of Potential Effects; FMSF = Florida Master Site File; LC = Launch Complex; NHL = National Historic Landmark; NRHP = National Register of Historic Places.

¹ NRHP criteria is defined as follows:

- A - associated with events that have made a significant contribution to the broad patterns of our history.
- B - associated with the lives of persons significant in our past.
- C - embody the distinctive characteristics of a type, period, or method of construction; or that represent the work of a master; or that possess high artistic values; or that represent a significant and distinguishable entity whose components may lack individual distinction.
- D - have yielded, or may be likely to yield, information important in prehistory or history.

A.3 NHPA Section 106 Consultation Initiation Letters



**DEPARTMENT OF THE AIR FORCE
UNITED STATES SPACE FORCE
SPACE LAUNCH DELTA 45**

2 April 2026

MEMORANDUM FOR TRIBAL HISTORIC PRESERVATION OFFICER
MICCOSUKEE TRIBE OF INDIANS OF FLORIDA
ATTENTION: DR. JASON DANIEL
TAMIAMI STATION
PO BOX 440021
MIAMI, FL 33114

FROM: 45 CES/CEIE
1224 Jupiter Street, MS-9125
Patrick Space Force Base FL 32925-3242

SUBJECT: Blue Origin New Glenn Environmental Assessment, Space Launch Complex
(SLC)-36, Cape Canaveral Space Force Station, Brevard County, Florida.

The purpose of this letter is to initiate consultation under Section 106 of the National Historic Preservation Act of 1966 (NHPA) and to invite the Miccosukee Tribe of Indians to participate as a Consulting Party.

1. The U.S. Department of the Air Force, Space Launch Delta 45 (SLD 45) is initiating consultation with your office pursuant to Section 106 of the National Historic Preservation Act (NHPA) of 1966 as part of the Federal Aviation Administration's (FAA) environmental review for the proposed license modification for the Blue Origin New Glenn vehicle at Space Launch Complex 36 (SLC-36), Cape Canaveral Space Force Station (CCSFS). Under the direction of the FAA as lead federal agency for National Environmental Policy Act (NEPA) compliance, Blue Origin is preparing an Environmental Assessment (EA) to evaluate the potential impacts of a proposed launch cadence increase. SLD 45 is acting as the lead federal agency for compliance with Section 106 of the NHPA.

2. Description of the Undertaking

The undertaking involves modification of a vehicle operator license by the FAA's Office of Commercial Space Transportation that will allow for an increased launch cadence for the Blue Origin New Glenn vehicle at SLC-36. Specifically, this modification would allow for an increase from 12 launches per year under the current license to a maximum of 50 launches per year. Additionally, the proposed license modification would allow for up to 50 Stage 1 engine static fires and up to 50 Stage 2 engine static fires per year. These operations would utilize existing and modified facilities at SLC-36; no new construction or infrastructure is proposed. First stages will reenter the atmosphere over the Atlantic Ocean and land approximately 300–500 nautical miles downrange on an offshore floating platform.

3. Area of Potential Effects

The area of potential effects (APE) considers any physical, visual, or auditory effects that the undertaking may have on historic properties as defined in 36 Code of Federal Regulations (CFR) 800.16(l)(1). The APE considers the auditory effects of the New Glenn launch and static fire activity. The FAA has determined that the APE for launch and static fires effects, which considers the auditory effects of the proposed undertaking, is defined by the 130 decibel (dB) (unweighted) sound level (**Enclosure 1**). Propulsion noise generated by New Glenn operations was modeled using RUMBLE, version 4.1, using methods consistent with applicable FAA guidance¹.

4. Identification of Historic Properties

The proposed identification approach is designed to make a reasonable and good faith effort to identify historic properties within the APE that may be affected by the undertaking. The undertaking has the potential to affect historic properties from increased vibratory impacts. SLD 45, supported by Southeastern Archaeological Research, LLC (SEARCH), will compile an inventory of previously recorded cultural resources (including archaeological sites as well as aboveground historic resources) within the APE that are listed or eligible for listing in the NRHP using the Florida Master Site File database and the Integrated Cultural Resource Management Plan (ICRMP) from CCSFS. A preliminary inventory is provided in **Enclosure 2**.

For individual historic properties or historic districts, this inventory will summarize:

- Resource Names/Numbers
- NRHP-listed or -eligible status;
- NRHP significance and associated NRHP criterion/criteria;
- Area(s) of significance;
- Period(s) of significance;
- Character-defining features; and
- Integrity as of last survey, if known.

Previously recorded resources that were determined ineligible for listing in the NRHP will be excluded from the inventory. SLD 45 will review previously recorded resources with an unknown NRHP eligibility status to determine which should be included in the inventory. This data may be supplemented with information provided by consulting parties and the public. Fieldwork to identify previously unrecorded historic properties or to update existing records is not anticipated.

5. Assessment of Effects to Historic Properties

SLD 45 will assess the undertaking's potential for adverse effects to individual historic properties and historic districts within the APE. This will be accomplished utilizing the resource description provided in the inventory, particularly the character defining features, and then detailing if the proposed undertaking has the potential to alter those features in a manner that would diminish the

¹ *Noise Study for Blue Origin New Glenn Operations at CCSFS SLC-36*, conducted by Blue Ridge Research and Consulting, March 2026.

integrity of the resource. If adverse effects are identified, SLD 45 will proceed to address the resolution requirements, as stipulated in 36 CFR 800.6.

6. Consultation

Please let us know if your Tribe would like to participate as a Consulting Party in the Section 106 process. Should you choose to participate, SLD 45 will prepare a document summarizing the findings of effects to historic properties and will submit a draft to you for review. Early identification of Tribal concerns will allow SLD 45 and FAA to consider ways to avoid and minimize potential impacts to Tribal resources and practices.

If you have any questions or require further assistance, please contact Mr. Thomas Penders, SLD 45 Cultural Resources Manager, at 321-307-0075 or thomas.penders@spaceforce.mil. Your timely response will greatly assist us in incorporating your comments into project planning.

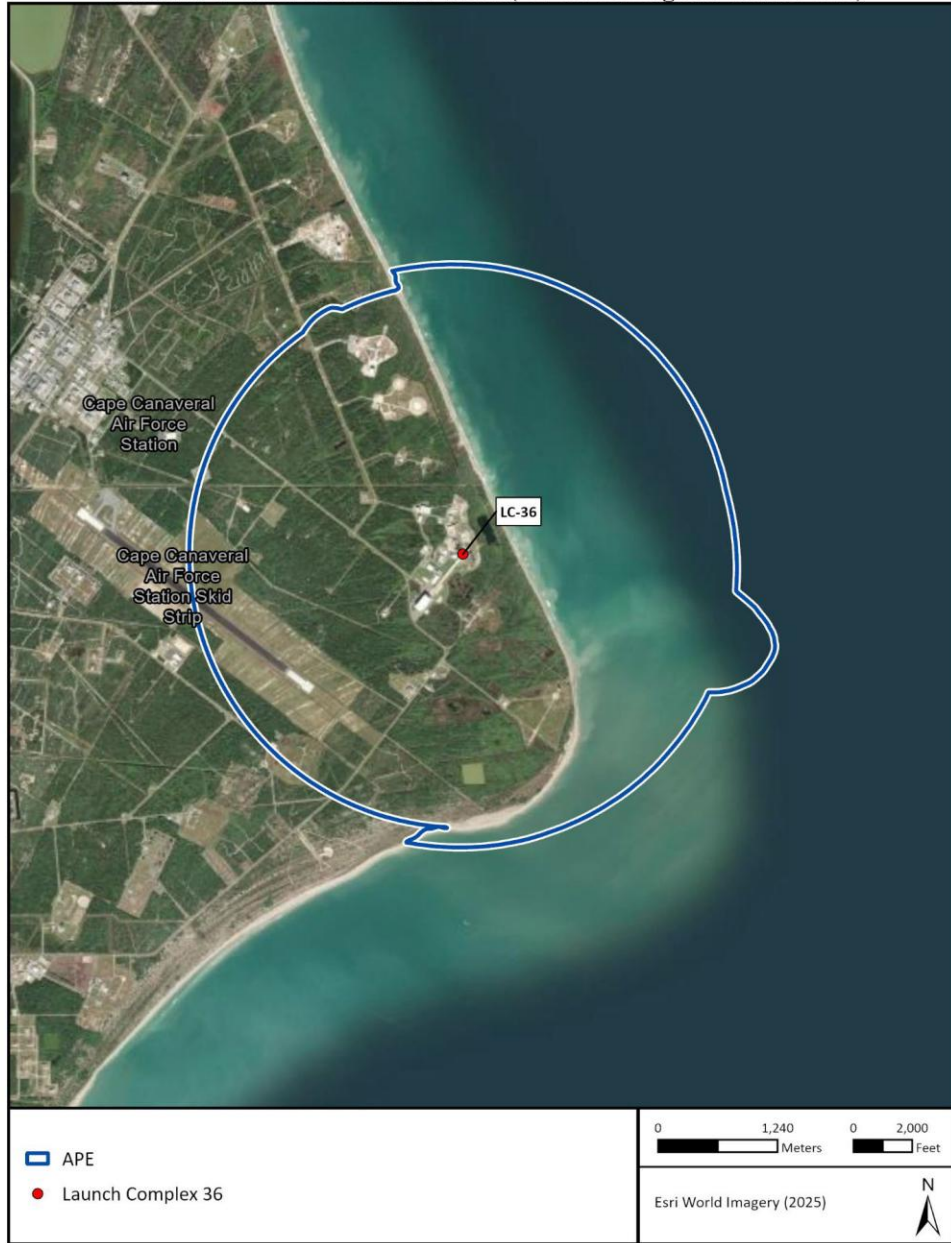
BLAYLOCK.MICHAEL.A.1061700630
EL.A.1061700630
Digitally signed by
BLAYLOCK.MICHAEL.A.1061700630
Date: 2026.04.02 14:50:20 -04'00'

MICHAEL A. BLAYLOCK, NH-III, DAF
Chief, Environmental Conservation

Enclosures:

1. APE Figure
2. Preliminary Inventory of Historic Properties within the APE

Enclosure 1 – Area of Potential Effects (130 dB Unweighted Sound Level)



Enclosure 2 – Preliminary Inventory of Historic Properties within the APE

SEARCH's March 2026 review of the FMSF database indicates there are 164 previously recorded cultural resources within the APE, including: 91 structures; 2 cemeteries; 18 resource groups (including an National Historic Landmark [NHL], building complexes, historic districts, archaeological districts, and mixed districts); 8 linear resources; and 45 archaeological sites. These resources are summarized below in **Table 1**.

FMSF data indicates three buildings (Resources 8BR01934, 8B81961, and 8BR02135) have been destroyed, and will not be included in further analyses. Additionally, a review of the 2025 CCCAFS ICRMP indicated 8 of the 56 NRHP-eligible structures are NRHP-listed; and 2 of the seven structures "not evaluated" by SHPO in FMSF data are recommended eligible for NRHP inclusion. This information is reflected in **Table 1**.

Table 1. Previously Recorded Resources within the APE.

FMSF #	Resource Name	Date	Type/Style	NRHP Status
Structures				
BR00212	Cape Canaveral Lighthouse	1867	Other	Eligible
BR01934	LC (LC) 36	1959	Other	Not Extant/Eligible
BR01961	LC 36B Gantry	1963	Other	Not Extant/Eligible
BR01980 *	Hangar C	1953	Industrial Vernacular	Eligible
BR01981	Launch Bldg. 21/22 (#5912)	1958	Commercial	Eligible
BR01982	CX 21/22 Utility Room (#5914)	1958	Commercial	Eligible
BR01983	Block House CX 21/22 (#5951)	1958	Commercial	Eligible
BR01984	Storage Building (#5959)		Commercial	Eligible
BR01985	LC 21/22	1956	Other	Eligible
BR02031	Oil House at Cape Canaveral Lighthouse	1868	Masonry vernacular	Not Evaluated by SHPO
BR02032	Storage Shed at Cape Canaveral Lighthouse	1865	Masonry vernacular	Not Evaluated by SHPO
BR02134	LC 12 Blockhouse	ca. 1956	Unspecified by Surveyor	Eligible
BR02135	LC 13 Blockhouse (Fac. 8801)	1958	Other	Not Extant/Eligible
BR02186	Facility 17768-LC 9 & 10 Pump House	1953	Industrial Vernacular	Eligible
BR02187	Facility 17700-LC 10 Launch Pad	1953	Other	Ineligible
BR02199	LC 13 Ready Bldg/Contractors Support	1958	Industrial Vernacular	Eligible
BR02200	LC 13 Launch Stand and Ramp...	1958	Industrial Vernacular	Eligible
BR02201	LC 13 Flume and Skimming Basin	1958	Industrial Vernacular	Eligible
BR02202	LC 13 LOX/GN2 Storage Area	1958	Industrial Vernacular	Eligible
BR02203	LC 13 Guard Shack (Fac. 8809)	1958	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02204	LC 13 POL Building (Fac. 8807)	1958	Industrial Vernacular	Eligible
BR02205	LC 13 Water Demineralization Station	1958	Industrial Vernacular	Eligible
BR02206	LC 13 Gantry rails and Parking Area	ca. 1958	Industrial Vernacular	Eligible
BR02207	LC 13 Propellant (RP-1) Facility	ca. 1956	Industrial Vernacular	Eligible
BR02208	LC 13 POL Building (Fac. 8814)	ca. 1960	Industrial Vernacular	Eligible
BR02210 *	LC 14 Launch Stand and Ramp	1957	Industrial Vernacular	Eligible
BR02211	LC 14 Propellant Transfer Unit	1957	Industrial Vernacular	Eligible
BR02212 *	LC 14 Jet Propellant-4 Facility	ca. 1957	Industrial Vernacular	Eligible
BR02213	LC 14 POL (Fac. 1684W/8602)	ca. 1957	Industrial Vernacular	Eligible
BR02214 *	LC 14 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Eligible
BR02215 *	LC 14 Flume and Skimming Basin	ca. 1957	Industrial Vernacular	Eligible
BR02216 *	LC 14 Blockhouse	ca. 1957	Industrial Vernacular	Eligible
BR02217	LC 14 Ready Building	ca. 1957	Industrial Vernacular	Eligible
BR02218	LC 14 Communications Cable Building	ca. 1957	Industrial Vernacular	Eligible
BR02219 *	LC 14 Demineralization Station	ca. 1957	Industrial Vernacular	Eligible
BR02220 *	LC 14 Rails and Service Tower Parking	ca. 1957	Industrial Vernacular	Eligible
BR02221 *	Mercury Memorial	ca. 1957	Other	Eligible
BR02235	Tethered Balloon Facility (Fac. 2825)	1971	Industrial Vernacular	Ineligible
BR02236	LC 3 & 4 Blockhouse	1951	Industrial Vernacular	Eligible
BR02237	Launch Pad 3 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02238	Launch Pad 4 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02239	High Pressure Air Bldg4 (Facility 2805)	1950	Industrial Vernacular	Eligible
BR02240	Bomarc Building (Facility 2841)	1955	Industrial Vernacular	Eligible
BR02241	Comp. & Cool Building (Facility 2842)	1955	Industrial Vernacular	Eligible
BR02242	High Pressure Air Facility	1951	Industrial Vernacular	Eligible
BR02245	Hangar O (Facility 1366)	1953	Other	Ineligible
BR02249	LC 1 & 2 Blockhouse (Fac. 4140)	1951	Industrial Vernacular	Eligible
BR02250	Launch Pad 1 (Fac. 4210)	1951	Industrial Vernacular	Eligible
BR02251	Launch Pad 2 (Fac. 4141)	1951	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02252	Transformer Building (Fac. 4120)	1951	Industrial Vernacular	Eligible
BR02253	Snark Pad (LC 23/24)	1953	Industrial Vernacular	Eligible
BR02259	Ground Support Building (Fac. 2826)	1983	Industrial Vernacular	Ineligible
BR02301	LC 11 Blockhouse	ca. 1956	Industrial Vernacular	Eligible
BR02302	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02303	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02304	LC 11 Liquid Oxygen/Gaseous Nitrogen Sto	ca. 1956	Industrial Vernacular	Ineligible
BR02305	LC 11 Propellant (RP-1) Faci	ca. 1956	Industrial Vernacular	Ineligible
BR02306	LC 11 JP-4 Fuel Facility	ca. 1956	Industrial Vernacular	Ineligible
BR02307	LC 11 Spillway and Catchment	ca. 1956	Industrial Vernacular	Ineligible
BR02313	NRC Experimentation Facility Storage Bldg	1959	Industrial Vernacular	Eligible
BR02327	LC 12 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Ineligible
BR02328	LC 12 Jet Propellant-4	ca. 1956	Industrial Vernacular	Ineligible
BR02329	LC 12 Gantry Rails and Parking Area	ca. 1956	Industrial Vernacular	Ineligible
BR02330	LC 12 Flume and Skimming	ca. 1956	Industrial Vernacular	Ineligible
BR02331	LC 12 Communications Cable Building	ca. 1956	Industrial Vernacular	Ineligible
BR02333	LC 36 Blockhouse	1959	Industrial Vernacular	Eligible
BR02348	NRC Experimentation Facility	1952	Industrial Vernacular	Eligible
BR02397	Facility 1334A: GPI Camera Pad U24R56	ca. 1956	No style	Eligible
BR02398	Facility 1334C: GPI Camera Pad U2R56	ca. 1956	No style	Eligible
BR02516*	LC 32 Blockhouse	1959	Industrial Vernacular	Eligible
BR02541	Facility 1361 - Storage Building	ca. 1951	Industrial Vernacular	Not Evaluated by SHPO
BR02545	LC 31/32 Launch Support Building, Fac. 17781	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03297	Fac. 17705-LC32A Optical Alignment Building	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03340	Facility 20395: Universal Camera Pad 21	ca. 1965	No style	Eligible
BR03382	Camera Target LC11 #1	1964	Not Applicable	Ineligible
BR03383	Camera Target LC11 #2	1964	Not Applicable	Ineligible
BR04183	CCAFS LMU 18 Valve Pit	1950	Other	Ineligible
BR04187	LC 14 Thrust Block and Valve Pit	ca. 1956	Other	Ineligible
BR04337	Facility 03100 (Complex Support Building)	1985	Industrial Vernacular	Ineligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04338	Facility 03101 (Launch Pad, LC 46)	1985	Industrial Vernacular	Ineligible
BR04339	Facility 03102 (Sentry House)	1985	Industrial Vernacular	Ineligible
BR04340	Facility 03104 (Ordnance Test Shed)	1985	Industrial Vernacular	Ineligible
BR04341	Facility 03106 (POL Storage Building)	1987	Industrial Vernacular	Ineligible
BR04342	Facility 03109 (Area Crew Storage)	1987	Industrial Vernacular	Ineligible
BR04343	Facility 03112 (Packaging Pit)	1985	Industrial Vernacular	Ineligible
BR04344	Facility 03113 (Mobile Crane)	1985	Industrial Vernacular	Ineligible
BR04345	Facility 03114 (Erector Pit)	1985	Industrial Vernacular	Ineligible
BR04346	Facility 03117 (Equipment Building)	1992	Industrial Vernacular	Ineligible
BR04347	Facility 03118 (Equipment Building)	1985	Industrial Vernacular	Ineligible
BR04348	Facility 03120 (SF Mobile Service Tower)	1997	Industrial Vernacular	Ineligible
BR04349	Facility 03122 (Camera Pad)	2005	Industrial Vernacular	Ineligible
Cemeteries				
BR02357	Facility 6403-Osmon Grave	ca. 1913	N/A	Eligible
BR02358	Fac. 6405-Canaveral Fish Company Grave	ca. 1913	N/A	Eligible
Resource Groups				
BR00216	Cape Canaveral Air Force Station	Modern, 1950-present	Historic District	Listed, NHL
BR00238	Canaveral Town	Boom Times, 1921-1929	Archaeological District	Insufficient Information
BR02022	LC 21/22	20th century American, 1900-present	Historic District	Eligible
BR02033	Cape Canaveral Lighthouse Station District	American Civil War, 1861-1865	Mixed District	Not Evaluated by SHPO
BR02188	LC 9 Resource Group	20th century American, 1900-present	Building Complex	Eligible
BR02189	LC 10 Resource Group	20th century American, 1900-present	Building Complex	Ineligible
BR02198	LC 13	20th century American, 1900-present	Historic District	Eligible
BR02209	LC 14	Modern, 1950-present	Historic District	Eligible
BR02234	LC 3 & 4	20th century American, 1900-present	Historic District	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02248	LC 1-2	20th century American, 1900-present	Historic District	Eligible
BR02308	LC 11	Modern, 1950-present	Historic District	Ineligible
BR02312	LC 15	20th century American, 1900-present	Historic District	Ineligible
BR02320	LC 12	Modern, 1950-present	Historic District	Ineligible
BR02535	LC 31/32	20th century American, 1900-present	Building Complex	Not Evaluated by SHPO
BR03186	Skid Strip Historic District	Modern, 1950-present	Historic District	Eligible
BR03433	Control Tower Road Tracking Sites	Modern, 1950-present	Historic District	Eligible
BR04000	Cape Fish Company	20th century American, 1900-present	Archaeological District	Eligible
BR04336	Space LC 46 Documentation	Modern, 1950-present	Building Complex	Ineligible
Linear Resources				
BR02336	Facility 50305: Skid Strip	Modern, 1950-present	Skid Strip	Eligible
BR02363	Canaveral Beach Canal	Boom Times, 1921-1929	Canal	Not Evaluated by SHPO
BR03384	NW Road	20th century American, 1900-present	Road	Ineligible
BR03385	Palmetto Drive	20th century American, 1900-present	Road	Ineligible
BR03386	White Drive	20th century American, 1900-present	Road	Ineligible
BR03387	Avenido	20th century American, 1900-present	Road	Ineligible
BR03555	Glenn Substation Road	Historic	Road	Ineligible
BR04191	ICBM Road	Modern, 1950-present	Road	Eligible
Archaeological Sites				
BR00234	Old Lighthouse	19th century American, 1821-1899	Building remains	Not Evaluated by SHPO
BR00238 A	Canaveral Town Site B	20th century American, 1900-present	Building remains	Insufficient Information
BR00238 B	Canaveral Town Site C	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR00238 C	Canaveral Town Site D	20th century American, 1900- present	Building remains	Insufficient Information
BR00238 D	Canaveral Town Site E	20th century American, 1900- present	Building remains	Insufficient Information
BR00239	Stinktown and Jeffords	19th century American, 1821- 1899	Building remains	Potentially Eligible
BR01642	NS BR 7	Malabar I	Habitation (prehistoric)	Insufficient Information
BR01660	New Lighthouse Site	19th century American, 1821- 1899	Agriculture/Farm structure	Ineligible
BR02174	Beach Trail	20th century American, 1900- present	Specialized site for procurement of raw materials	Ineligible
BR02314	Sherds in the Road	20th century American, 1900- present	Land-terrestrial	Ineligible
BR02343	Cape Point	Malabar I	Land-terrestrial	Ineligible
BR02365	Fac. 1330B: Beat-Beat DOVAP 12-110-PLM	20th century American, 1900- present	Building remains	Eligible
BR02367	Camera Pad D44R53	20th century American, 1900- present	Building remains	Ineligible
BR02396	Fac. 1343: East Compass Rose	20th century American, 1900- present	Building remains	Eligible
BR02515	Cinetheodolite	20th century American, 1900- present	Building remains	Ineligible
BR03047	QB-17 Crash Site	20th century American, 1900- present	Aircraft Wreckage/Crash Site	Eligible
BR03176	Angy's Scatter	20th century American, 1900- present	Farmstead	Ineligible
BR03177	Atlas Debris	20th century American, 1900- present	Land-terrestrial	Ineligible
BR03178	Canaveral Rose's Garden	Malabar I	Specialized site for procurement of raw materials	Ineligible
BR03335	Fac. 17200: Weather Theodolite Pad B	20th century American, 1900- present	Building remains	Eligible
BR03336	Fac. 1331: Telemetry ELSEE 12-110-PL	20th century American, 1900- present	Building remains	Eligible
BR03337	Fac. 1333B: Beat-Beat DOVAP 14-110-PLM	20th century American, 1900- present	Building remains	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR03338	Fac. 1333A:Beat-Beat DOVAP 14-110-PR	20th century American, 1900-present	Building remains	Eligible
BR03339	Fac. 1334: Telemetry ELSEE 12-110-PRS	20th century American, 1900-present	Building remains	Eligible
BR03341	Facility 74610: Camera Pad	20th century American, 1900-present	Building remains	Eligible
BR03370	1-5 G13	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03371	8-5 E6	20th century American, 1900-present	Homestead	Ineligible
BR03372	15-9 A9	20th century American, 1900-present	Aircraft Wreckage/Crash Site	Ineligible
BR03373	18-7 G22/Lansing Beach School	20th century American, 1900-present	Homestead	Ineligible
BR03374	11-22.5 E20	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03375	31-3 T6	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03376	10-3 G1	20th century American, 1900-present	Homestead	Ineligible
BR03379	17.5-11-E21	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03380	32-1-E25	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03381	31-6.5-E24	20th century American, 1900-present	Homestead	Ineligible
BR03390	Bronze Cannon Wreck	French	Saltwater submerged site	Not Evaluated by SHPO
BR03534	Former NAA Control Tower Site	20th century American, 1900-present	Building remains	Eligible
BR03995	CCAFS LMU 87 Missile Crash	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03997	CCAFS Facility 1485 - Camera Pad Site D	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03998	CCAFS Facility 1430 - SHANICLE Building	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04188	CCAFS LMU 53 Concrete Pads	20th century American, 1900-present	Building remains	Ineligible
BR04189	CCAFS LMU 61 Concrete Remains	20th century American, 1900-present	Building remains	Ineligible
BR04190	Camera Road E Artifact Scatter	20th century American, 1900-present	Land-terrestrial	Ineligible
BR04368	Site One	No Information	Saltwater submerged site	Not Evaluated by SHPO
BR04369	Site Two	No Information	Saltwater submerged site	Not Evaluated by SHPO

*Asterisk indicates the resource's NRHP eligibility in FMSF differs from that reflected in the table (2025 CCAFS ICMRP).



DEPARTMENT OF THE AIR FORCE
UNITED STATES SPACE FORCE
SPACE LAUNCH DELTA 45

31 March 2026

MEMORANDUM FOR STATE HISTORIC PRESERVATION OFFICER
ATTENTION: MS. ALISSA SLADE LOTANE
FLORIDA STATE HISTORIC PRESERVATION OFFICE
R.A. GRAY BUILDING, 4TH FLOOR
500 SOUTH BRONOUGH STREET
TALLAHASSEE, FLORIDA 32399

FROM: 45 CES/CEIE
1224 Jupiter Street, MS-9125
Patrick Space Force Base FL 32925-3242

SUBJECT: Blue Origin New Glenn Environmental Assessment, Space Launch Complex
(SLC)-36, Cape Canaveral Space Force Station, Brevard County, Florida.

1. The U.S. Department of the Air Force, Space Launch Delta 45 (SLD 45) is initiating consultation with your office pursuant to Section 106 of the National Historic Preservation Act (NHPA) of 1966 as part of the Federal Aviation Administration's (FAA) environmental review for the proposed license modification for the Blue Origin New Glenn vehicle at Space Launch Complex 36 (SLC-36), Cape Canaveral Space Force Station (CCSFS). Under the direction of the FAA as lead federal agency for National Environmental Policy Act (NEPA) compliance, Blue Origin is preparing an Environmental Assessment (EA) to evaluate the potential impacts of a proposed launch cadence increase. SLD 45 is acting as the lead federal agency for compliance with Section 106 of the NHPA.

2. Description of the Undertaking

The undertaking involves modification of a vehicle operator license by the FAA's Office of Commercial Space Transportation that will allow for an increased launch cadence for the Blue Origin New Glenn vehicle at SLC-36. Specifically, this modification would allow for an increase from 12 launches per year under the current license to a maximum of 50 launches per year. Additionally, the proposed license modification would allow for up to 50 Stage 1 engine static fires and up to 50 Stage 2 engine static fires per year. These operations would utilize existing and modified facilities at SLC-36; no new construction or infrastructure is proposed. First stages will reenter the atmosphere over the Atlantic Ocean and land approximately 300–500 nautical miles downrange on an offshore floating platform.

3. Area of Potential Effects

The area of potential effects (APE) considers any physical, visual, or auditory effects that the undertaking may have on historic properties as defined in 36 Code of Federal Regulations (CFR) 800.16(l)(1). The APE considers the auditory effects of the New Glenn launch and static fire

activity. Based on recent launch-related NHPA consultations with your office¹, the FAA has determined that the APE for launch and static fires effects, which considers the auditory effects of the proposed undertaking, is defined by the 130 decibel (dB) (unweighted) sound level (**Enclosure 1**). Propulsion noise generated by New Glenn operations was modeled using RUMBLE, version 4.1, using methods consistent with applicable FAA guidance².

4. Identification of Historic Properties

The proposed identification approach is designed to make a reasonable and good faith effort to identify historic properties within the APE that may be affected by the undertaking. The undertaking has the potential to affect historic properties from increased vibratory impacts. SLD 45, supported by Southeastern Archaeological Research, LLC (SEARCH), will compile an inventory of previously recorded cultural resources (including archaeological sites as well as aboveground historic resources) within the APE that are listed or eligible for listing in the NRHP using the Florida Master Site File database and the Integrated Cultural Resource Management Plan (ICRMP) from CCSFS. A preliminary inventory is provided in **Enclosure 2**.

For individual historic properties or historic districts, this inventory will summarize:

- Resource Names/Numbers
- NRHP-listed or -eligible status;
- NRHP significance and associated NRHP criterion/criteria;
- Area(s) of significance;
- Period(s) of significance;
- Character-defining features; and
- Integrity as of last survey, if known.

Previously recorded resources that were determined ineligible for listing in the NRHP will be excluded from the inventory. SLD 45 will review previously recorded resources with an unknown NRHP eligibility status to determine which should be included in the inventory. This data may be supplemented with information provided by consulting parties and the public. Fieldwork to identify previously unrecorded historic properties or to update existing records is not anticipated.

5. Assessment of Effects to Historic Properties

SLD 45 will assess the undertaking's potential for adverse effects to individual historic properties and historic districts within the APE. This will be accomplished utilizing the resource description provided in the inventory, particularly the character defining features, and then detailing if the proposed undertaking has the potential to alter those features in a manner that would diminish the

¹ *SpaceX Starship-Super Heavy Cape Canaveral Space Force Station: Final Environmental Impact Statement, 2025; Environmental Impact Statement: SpaceX Starship-Super Heavy Launch Vehicle at Launch Complex 39A at the Kennedy Space Center, Merritt Island, Florida, 2026*

² *Noise Study for Blue Origin New Glenn Operations at CCSFS SLC-36*, conducted by Blue Ridge Research and Consulting, March 2026.

integrity of the resource. If adverse effects are identified, SLD 45 will proceed to address the resolution requirements, as stipulated in 36 CFR 800.6.

6. Consulting Party Identification

An initial list of Consulting Parties who will be invited to consult for this undertaking is provided in **Enclosure 3**. SLD 45 will also consult with the following Federally-recognized Tribes directly: the Seminole Tribe of Florida, the Seminole Nation of Oklahoma, and the Miccosukee Tribe of Indians of Florida.

At this time, SLD 45 is requesting your comments related to: 1) the adequacy of the APE; 2) the adequacy of the proposed identification/evaluation approach, and 3) information on any additional consulting parties that should be included in our consultation effort. If you have any questions or require further assistance, please contact Mr. Thomas Penders, SLD 45 Cultural Resources Manager, at 321-307-0075 or thomas.penders@spaceforce.mil.

BLAYLOCK.MICHAEL.A.1061700630
EL.A.1061700630
Digitally signed by
BLAYLOCK.MICHAEL.A.1061700630
Date: 2026.03.31 14:11:08 -04'00'

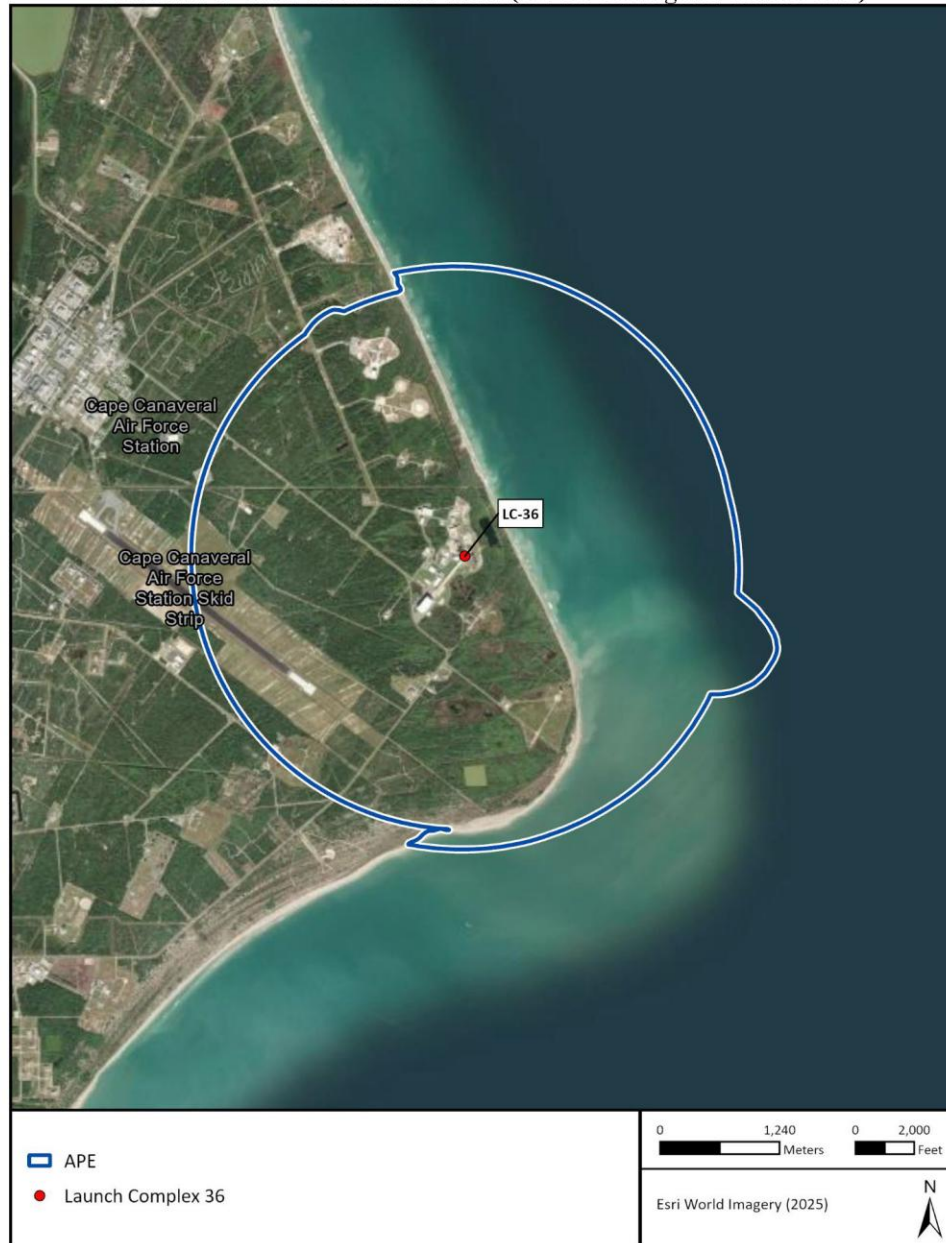
MICHAEL A. BLAYLOCK, NH-III, DAF
Chief, Environmental Conservation

Enclosures:

1. APE Figure
2. Preliminary Inventory of Historic Properties within the APE
3. Initial list of Consulting Parties

cc:

Amy Hanson, FAA
Nick Baker, FAA
Elyse Procopio, Blue Origin

Enclosure 1 – Area of Potential Effects (130 dB Unweighted Sound Level)

Enclosure 2 – Preliminary Inventory of Historic Properties within the APE

SEARCH's March 2026 review of the FMSF database indicates there are 164 previously recorded cultural resources within the APE, including: 91 structures; 2 cemeteries; 18 resource groups (including an National Historic Landmark [NHL], building complexes, historic districts, archaeological districts, and mixed districts); 8 linear resources; and 45 archaeological sites. These resources are summarized below in **Table 1**.

FMSF data indicates three buildings (Resources 8BR01934, 8B81961, and 8BR02135) have been destroyed, and will not be included in further analyses. Additionally, a review of the 2025 CCCAFS ICRMP indicated 8 of the 56 NRHP-eligible structures are NRHP-listed; and 2 of the seven structures "not evaluated" by SHPO in FMSF data are recommended eligible for NRHP inclusion. This information is reflected in **Table 1**.

Table 1. Previously Recorded Resources within the APE.

FMSF #	Resource Name	Date	Type/Style	NRHP Status
Structures				
BR00212	Cape Canaveral Lighthouse	1867	Other	Eligible
BR01934	LC (LC) 36	1959	Other	Not Extant/Eligible
BR01961	LC 36B Gantry	1963	Other	Not Extant/Eligible
BR01980 *	Hangar C	1953	Industrial Vernacular	Eligible
BR01981	Launch Bldg. 21/22 (#5912)	1958	Commercial	Eligible
BR01982	CX 21/22 Utility Room (#5914)	1958	Commercial	Eligible
BR01983	Block House CX 21/22 (#5951)	1958	Commercial	Eligible
BR01984	Storage Building (#5959)		Commercial	Eligible
BR01985	LC 21/22	1956	Other	Eligible
BR02031	Oil House at Cape Canaveral Lighthouse	1868	Masonry vernacular	Not Evaluated by SHPO
BR02032	Storage Shed at Cape Canaveral Lighthouse	1865	Masonry vernacular	Not Evaluated by SHPO
BR02134	LC 12 Blockhouse	ca. 1956	Unspecified by Surveyor	Eligible
BR02135	LC 13 Blockhouse (Fac. 8801)	1958	Other	Not Extant/Eligible
BR02186	Facility 17768-LC 9 & 10 Pump House	1953	Industrial Vernacular	Eligible
BR02187	Facility 17700-LC 10 Launch Pad	1953	Other	Ineligible
BR02199	LC 13 Ready Bldg/Contractors Support	1958	Industrial Vernacular	Eligible
BR02200	LC 13 Launch Stand and Ramp...	1958	Industrial Vernacular	Eligible
BR02201	LC 13 Flume and Skimming Basin	1958	Industrial Vernacular	Eligible
BR02202	LC 13 LOX/GN2 Storage Area	1958	Industrial Vernacular	Eligible
BR02203	LC 13 Guard Shack (Fac. 8809)	1958	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02204	LC 13 POL Building (Fac. 8807)	1958	Industrial Vernacular	Eligible
BR02205	LC 13 Water Demineralization Station	1958	Industrial Vernacular	Eligible
BR02206	LC 13 Gantry rails and Parking Area	ca. 1958	Industrial Vernacular	Eligible
BR02207	LC 13 Propellant (RP-1) Facility	ca. 1956	Industrial Vernacular	Eligible
BR02208	LC 13 POL Building (Fac. 8814)	ca. 1960	Industrial Vernacular	Eligible
BR02210 *	LC 14 Launch Stand and Ramp	1957	Industrial Vernacular	Eligible
BR02211	LC 14 Propellant Transfer Unit	1957	Industrial Vernacular	Eligible
BR02212 *	LC 14 Jet Propellant-4 Facility	ca. 1957	Industrial Vernacular	Eligible
BR02213	LC 14 POL (Fac. 1684W/8602)	ca. 1957	Industrial Vernacular	Eligible
BR02214 *	LC 14 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Eligible
BR02215 *	LC 14 Flume and Skimming Basin	ca. 1957	Industrial Vernacular	Eligible
BR02216 *	LC 14 Blockhouse	ca. 1957	Industrial Vernacular	Eligible
BR02217	LC 14 Ready Building	ca. 1957	Industrial Vernacular	Eligible
BR02218	LC 14 Communications Cable Building	ca. 1957	Industrial Vernacular	Eligible
BR02219 *	LC 14 Demineralization Station	ca. 1957	Industrial Vernacular	Eligible
BR02220 *	LC 14 Rails and Service Tower Parking	ca. 1957	Industrial Vernacular	Eligible
BR02221 *	Mercury Memorial	ca. 1957	Other	Eligible
BR02235	Tethered Balloon Facility (Fac. 2825)	1971	Industrial Vernacular	Ineligible
BR02236	LC 3 & 4 Blockhouse	1951	Industrial Vernacular	Eligible
BR02237	Launch Pad 3 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02238	Launch Pad 4 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02239	High Pressure Air Bldg4 (Facility 2805)	1950	Industrial Vernacular	Eligible
BR02240	Bomarc Building (Facility 2841)	1955	Industrial Vernacular	Eligible
BR02241	Comp. & Cool Building (Facility 2842)	1955	Industrial Vernacular	Eligible
BR02242	High Pressure Air Facility	1951	Industrial Vernacular	Eligible
BR02245	Hangar O (Facility 1366)	1953	Other	Ineligible
BR02249	LC 1 & 2 Blockhouse (Fac. 4140)	1951	Industrial Vernacular	Eligible
BR02250	Launch Pad 1 (Fac. 4210)	1951	Industrial Vernacular	Eligible
BR02251	Launch Pad 2 (Fac. 4141)	1951	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02252	Transformer Building (Fac. 4120)	1951	Industrial Vernacular	Eligible
BR02253	Snark Pad (LC 23/24)	1953	Industrial Vernacular	Eligible
BR02259	Ground Support Building (Fac. 2826)	1983	Industrial Vernacular	Ineligible
BR02301	LC 11 Blockhouse	ca. 1956	Industrial Vernacular	Eligible
BR02302	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02303	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02304	LC 11 Liquid Oxygen/Gaseous Nitrogen Sto	ca. 1956	Industrial Vernacular	Ineligible
BR02305	LC 11 Propellant (RP-1) Faci	ca. 1956	Industrial Vernacular	Ineligible
BR02306	LC 11 JP-4 Fuel Facility	ca. 1956	Industrial Vernacular	Ineligible
BR02307	LC 11 Spillway and Catchment	ca. 1956	Industrial Vernacular	Ineligible
BR02313	NRC Experimentation Facility Storage Bldg	1959	Industrial Vernacular	Eligible
BR02327	LC 12 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Ineligible
BR02328	LC 12 Jet Propellant-4	ca. 1956	Industrial Vernacular	Ineligible
BR02329	LC 12 Gantry Rails and Parking Area	ca. 1956	Industrial Vernacular	Ineligible
BR02330	LC 12 Flume and Skimming	ca. 1956	Industrial Vernacular	Ineligible
BR02331	LC 12 Communications Cable Building	ca. 1956	Industrial Vernacular	Ineligible
BR02333	LC 36 Blockhouse	1959	Industrial Vernacular	Eligible
BR02348	NRC Experimentation Facility	1952	Industrial Vernacular	Eligible
BR02397	Facility 1334A: GPI Camera Pad U24R56	ca. 1956	No style	Eligible
BR02398	Facility 1334C: GPI Camera Pad U2R56	ca. 1956	No style	Eligible
BR02516*	LC 32 Blockhouse	1959	Industrial Vernacular	Eligible
BR02541	Facility 1361 - Storage Building	ca. 1951	Industrial Vernacular	Not Evaluated by SHPO
BR02545	LC 31/32 Launch Support Building, Fac. 17781	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03297	Fac. 17705-LC32A Optical Alignment Building	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03340	Facility 20395: Universal Camera Pad 21	ca. 1965	No style	Eligible
BR03382	Camera Target LC11 #1	1964	Not Applicable	Ineligible
BR03383	Camera Target LC11 #2	1964	Not Applicable	Ineligible
BR04183	CCAFS LMU 18 Valve Pit	1950	Other	Ineligible
BR04187	LC 14 Thrust Block and Valve Pit	ca. 1956	Other	Ineligible
BR04337	Facility 03100 (Complex Support Building)	1985	Industrial Vernacular	Ineligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04338	Facility 03101 (Launch Pad, LC 46)	1985	Industrial Vernacular	Ineligible
BR04339	Facility 03102 (Sentry House)	1985	Industrial Vernacular	Ineligible
BR04340	Facility 03104 (Ordnance Test Shed)	1985	Industrial Vernacular	Ineligible
BR04341	Facility 03106 (POL Storage Building)	1987	Industrial Vernacular	Ineligible
BR04342	Facility 03109 (Area Crew Storage)	1987	Industrial Vernacular	Ineligible
BR04343	Facility 03112 (Packaging Pit)	1985	Industrial Vernacular	Ineligible
BR04344	Facility 03113 (Mobile Crane)	1985	Industrial Vernacular	Ineligible
BR04345	Facility 03114 (Erector Pit)	1985	Industrial Vernacular	Ineligible
BR04346	Facility 03117 (Equipment Building)	1992	Industrial Vernacular	Ineligible
BR04347	Facility 03118 (Equipment Building)	1985	Industrial Vernacular	Ineligible
BR04348	Facility 03120 (SF Mobile Service Tower)	1997	Industrial Vernacular	Ineligible
BR04349	Facility 03122 (Camera Pad)	2005	Industrial Vernacular	Ineligible
Cemeteries				
BR02357	Facility 6403-Osmon Grave	ca. 1913	N/A	Eligible
BR02358	Fac. 6405-Canaveral Fish Company Grave	ca. 1913	N/A	Eligible
Resource Groups				
BR00216	Cape Canaveral Air Force Station	Modern, 1950-present	Historic District	Listed, NHL
BR00238	Canaveral Town	Boom Times, 1921-1929	Archaeological District	Insufficient Information
BR02022	LC 21/22	20th century American, 1900-present	Historic District	Eligible
BR02033	Cape Canaveral Lighthouse Station District	American Civil War, 1861-1865	Mixed District	Not Evaluated by SHPO
BR02188	LC 9 Resource Group	20th century American, 1900-present	Building Complex	Eligible
BR02189	LC 10 Resource Group	20th century American, 1900-present	Building Complex	Ineligible
BR02198	LC 13	20th century American, 1900-present	Historic District	Eligible
BR02209	LC 14	Modern, 1950-present	Historic District	Eligible
BR02234	LC 3 & 4	20th century American, 1900-present	Historic District	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02248	LC 1-2	20th century American, 1900-present	Historic District	Eligible
BR02308	LC 11	Modern, 1950-present	Historic District	Ineligible
BR02312	LC 15	20th century American, 1900-present	Historic District	Ineligible
BR02320	LC 12	Modern, 1950-present	Historic District	Ineligible
BR02535	LC 31/32	20th century American, 1900-present	Building Complex	Not Evaluated by SHPO
BR03186	Skid Strip Historic District	Modern, 1950-present	Historic District	Eligible
BR03433	Control Tower Road Tracking Sites	Modern, 1950-present	Historic District	Eligible
BR04000	Cape Fish Company	20th century American, 1900-present	Archaeological District	Eligible
BR04336	Space LC 46 Documentation	Modern, 1950-present	Building Complex	Ineligible
Linear Resources				
BR02336	Facility 50305: Skid Strip	Modern, 1950-present	Skid Strip	Eligible
BR02363	Canaveral Beach Canal	Boom Times, 1921-1929	Canal	Not Evaluated by SHPO
BR03384	NW Road	20th century American, 1900-present	Road	Ineligible
BR03385	Palmetto Drive	20th century American, 1900-present	Road	Ineligible
BR03386	White Drive	20th century American, 1900-present	Road	Ineligible
BR03387	Avenido	20th century American, 1900-present	Road	Ineligible
BR03555	Glenn Substation Road	Historic	Road	Ineligible
BR04191	ICBM Road	Modern, 1950-present	Road	Eligible
Archaeological Sites				
BR00234	Old Lighthouse	19th century American, 1821-1899	Building remains	Not Evaluated by SHPO
BR00238 A	Canaveral Town Site B	20th century American, 1900-present	Building remains	Insufficient Information
BR00238 B	Canaveral Town Site C	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR00238 C	Canaveral Town Site D	20th century American, 1900- present	Building remains	Insufficient Information
BR00238 D	Canaveral Town Site E	20th century American, 1900- present	Building remains	Insufficient Information
BR00239	Stinktown and Jeffords	19th century American, 1821- 1899	Building remains	Potentially Eligible
BR01642	NS BR 7	Malabar I	Habitation (prehistoric)	Insufficient Information
BR01660	New Lighthouse Site	19th century American, 1821- 1899	Agriculture/Farm structure	Ineligible
BR02174	Beach Trail	20th century American, 1900- present	Specialized site for procurement of raw materials	Ineligible
BR02314	Sherds in the Road	20th century American, 1900- present	Land-terrestrial	Ineligible
BR02343	Cape Point	Malabar I	Land-terrestrial	Ineligible
BR02365	Fac. 1330B: Beat-Beat DOVAP 12-110-PLM	20th century American, 1900- present	Building remains	Eligible
BR02367	Camera Pad D44R53	20th century American, 1900- present	Building remains	Ineligible
BR02396	Fac. 1343: East Compass Rose	20th century American, 1900- present	Building remains	Eligible
BR02515	Cinetheodolite	20th century American, 1900- present	Building remains	Ineligible
BR03047	QB-17 Crash Site	20th century American, 1900- present	Aircraft Wreckage/Crash Site	Eligible
BR03176	Angy's Scatter	20th century American, 1900- present	Farmstead	Ineligible
BR03177	Atlas Debris	20th century American, 1900- present	Land-terrestrial	Ineligible
BR03178	Canaveral Rose's Garden	Malabar I	Specialized site for procurement of raw materials	Ineligible
BR03335	Fac. 17200: Weather Theodolite Pad B	20th century American, 1900- present	Building remains	Eligible
BR03336	Fac. 1331: Telemetry ELSEE 12-110-PL	20th century American, 1900- present	Building remains	Eligible
BR03337	Fac. 1333B: Beat-Beat DOVAP 14-110-PLM	20th century American, 1900- present	Building remains	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR03338	Fac. 1333A:Beat-Beat DOVAP 14-110-PR	20th century American, 1900-present	Building remains	Eligible
BR03339	Fac. 1334: Telemetry ELSEE 12-110-PRS	20th century American, 1900-present	Building remains	Eligible
BR03341	Facility 74610: Camera Pad	20th century American, 1900-present	Building remains	Eligible
BR03370	1-5 G13	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03371	8-5 E6	20th century American, 1900-present	Homestead	Ineligible
BR03372	15-9 A9	20th century American, 1900-present	Aircraft Wreckage/Crash Site	Ineligible
BR03373	18-7 G22/Lansing Beach School	20th century American, 1900-present	Homestead	Ineligible
BR03374	11-22.5 E20	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03375	31-3 T6	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03376	10-3 G1	20th century American, 1900-present	Homestead	Ineligible
BR03379	17.5-11-E21	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03380	32-1-E25	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03381	31-6.5-E24	20th century American, 1900-present	Homestead	Ineligible
BR03390	Bronze Cannon Wreck	French	Saltwater submerged site	Not Evaluated by SHPO
BR03534	Former NAA Control Tower Site	20th century American, 1900-present	Building remains	Eligible
BR03995	CCAFS LMU 87 Missile Crash	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03997	CCAFS Facility 1485 - Camera Pad Site D	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03998	CCAFS Facility 1430 - SHANICLE Building	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04188	CCAFS LMU 53 Concrete Pads	20th century American, 1900-present	Building remains	Ineligible
BR04189	CCAFS LMU 61 Concrete Remains	20th century American, 1900-present	Building remains	Ineligible
BR04190	Camera Road E Artifact Scatter	20th century American, 1900-present	Land-terrestrial	Ineligible
BR04368	Site One	No Information	Saltwater submerged site	Not Evaluated by SHPO
BR04369	Site Two	No Information	Saltwater submerged site	Not Evaluated by SHPO

*Asterisk indicates the resource's NRHP eligibility in FMSF differs from that reflected in the table (2025 CCAFS ICMRP).

Enclosure 3 - Initial list of Consulting Parties (TBD)

American Space Museum and Space Walk of Fame

G. Goddard Rothblatt, Executive Director
308 Pine Street
Titusville, FL 32796

Cape Canaveral Lighthouse Foundation

Cape Canaveral Lighthouse
PO Box 1978
Cape Canaveral, FL 32935
info@canaveralight.org

North Brevard Heritage Foundation

Ms. Roz Foster, Founder & President
PO Box 653
Titusville, FL 32781
roz@callhenry.com; theprichardhouse@yahoo.com



DEPARTMENT OF THE AIR FORCE
UNITED STATES SPACE FORCE
SPACE LAUNCH DELTA 45

2 April 2026

MEMORANDUM FOR TRIBAL HISTORIC PRESERVATION OFFICER
SEMINOLE NATION OF OKLAHOMA
ATTENTION: MR. JEFFREY HARJO
P.O. BOX 1498
WEWOKA, OKLAHOMA 74884

FROM: 45 CES/CEIE
1224 Jupiter Street, MS-9125
Patrick Space Force Base FL 32925-3242

SUBJECT: Blue Origin New Glenn Environmental Assessment, Space Launch Complex
(SLC)-36, Cape Canaveral Space Force Station, Brevard County, Florida.

The purpose of this letter is to initiate consultation under Section 106 of the National Historic Preservation Act of 1966 (NHPA) and to invite the Seminole Nation of Oklahoma to participate as a Consulting Party.

1. The U.S. Department of the Air Force, Space Launch Delta 45 (SLD 45) is initiating consultation with your office pursuant to Section 106 of the National Historic Preservation Act (NHPA) of 1966 as part of the Federal Aviation Administration's (FAA) environmental review for the proposed license modification for the Blue Origin New Glenn vehicle at Space Launch Complex 36 (SLC-36), Cape Canaveral Space Force Station (CCSFS). Under the direction of the FAA as lead federal agency for National Environmental Policy Act (NEPA) compliance, Blue Origin is preparing an Environmental Assessment (EA) to evaluate the potential impacts of a proposed launch cadence increase. SLD 45 is acting as the lead federal agency for compliance with Section 106 of the NHPA.

2. Description of the Undertaking

The undertaking involves modification of a vehicle operator license by the FAA's Office of Commercial Space Transportation that will allow for an increased launch cadence for the Blue Origin New Glenn vehicle at SLC-36. Specifically, this modification would allow for an increase from 12 launches per year under the current license to a maximum of 50 launches per year. Additionally, the proposed license modification would allow for up to 50 Stage 1 engine static fires and up to 50 Stage 2 engine static fires per year. These operations would utilize existing and modified facilities at SLC-36; no new construction or infrastructure is proposed. First stages will reenter the atmosphere over the Atlantic Ocean and land approximately 300–500 nautical miles downrange on an offshore floating platform.

3. Area of Potential Effects

The area of potential effects (APE) considers any physical, visual, or auditory effects that the undertaking may have on historic properties as defined in 36 Code of Federal Regulations (CFR) 800.16(l)(1). The APE considers the auditory effects of the New Glenn launch and static fire activity. The FAA has determined that the APE for launch and static fires effects, which considers the auditory effects of the proposed undertaking, is defined by the 130 decibel (dB) (unweighted) sound level (**Enclosure 1**). Propulsion noise generated by New Glenn operations was modeled using RUMBLE, version 4.1, using methods consistent with applicable FAA guidance¹.

4. Identification of Historic Properties

The proposed identification approach is designed to make a reasonable and good faith effort to identify historic properties within the APE that may be affected by the undertaking. The undertaking has the potential to affect historic properties from increased vibratory impacts. SLD 45, supported by Southeastern Archaeological Research, LLC (SEARCH), will compile an inventory of previously recorded cultural resources (including archaeological sites as well as aboveground historic resources) within the APE that are listed or eligible for listing in the NRHP using the Florida Master Site File database and the Integrated Cultural Resource Management Plan (ICRMP) from CCSFS. A preliminary inventory is provided in **Enclosure 2**.

For individual historic properties or historic districts, this inventory will summarize:

- Resource Names/Numbers
- NRHP-listed or -eligible status;
- NRHP significance and associated NRHP criterion/criteria;
- Area(s) of significance;
- Period(s) of significance;
- Character-defining features; and
- Integrity as of last survey, if known.

Previously recorded resources that were determined ineligible for listing in the NRHP will be excluded from the inventory. SLD 45 will review previously recorded resources with an unknown NRHP eligibility status to determine which should be included in the inventory. This data may be supplemented with information provided by consulting parties and the public. Fieldwork to identify previously unrecorded historic properties or to update existing records is not anticipated.

5. Assessment of Effects to Historic Properties

SLD 45 will assess the undertaking's potential for adverse effects to individual historic properties and historic districts within the APE. This will be accomplished utilizing the resource description provided in the inventory, particularly the character defining features, and then detailing if the proposed undertaking has the potential to alter those features in a manner that would diminish the

¹ *Noise Study for Blue Origin New Glenn Operations at CCSFS SLC-36*, conducted by Blue Ridge Research and Consulting, March 2026.

integrity of the resource. If adverse effects are identified, SLD 45 will proceed to address the resolution requirements, as stipulated in 36 CFR 800.6.

6. Consultation

Please let us know if your Tribe would like to participate as a Consulting Party in the Section 106 process. Should you choose to participate, SLD 45 will prepare a document summarizing the findings of effects to historic properties and will submit a draft to you for review. Early identification of Tribal concerns will allow SLD 45 and FAA to consider ways to avoid and minimize potential impacts to Tribal resources and practices.

If you have any questions or require further assistance, please contact Mr. Thomas Penders, SLD 45 Cultural Resources Manager, at 321-307-0075 or thomas.penders@spaceforce.mil. Your timely response will greatly assist us in incorporating your comments into project planning.

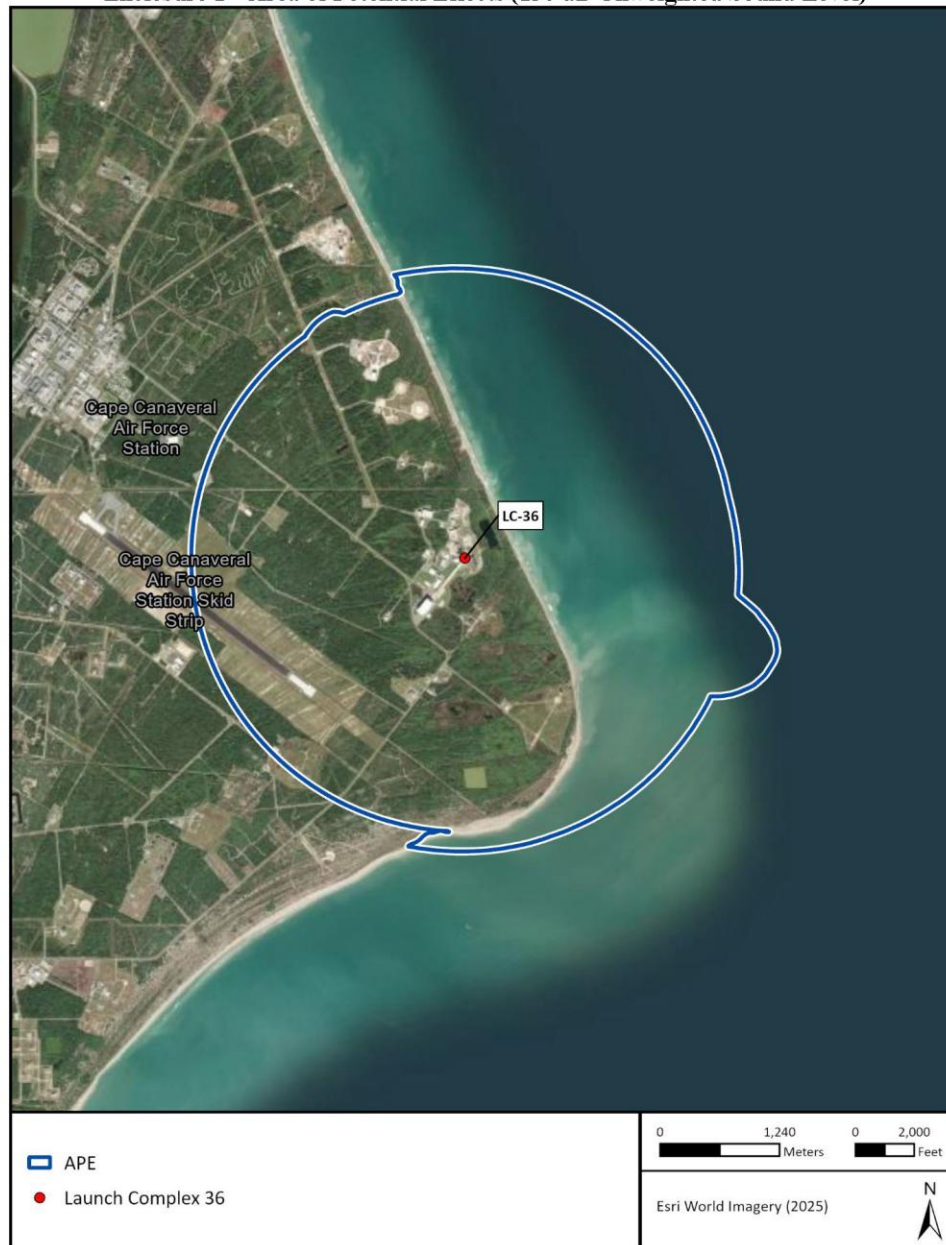
BLAYLOCK.MICH
AEL.A.1061700630

Digitally signed by
BLAYLOCK.MICHAEL.A.1061700
630
Date: 2026.04.02 14:51:40 -04'00'

MICHAEL A. BLAYLOCK, NH-III, DAF
Chief, Environmental Conservation

Enclosures:

1. APE Figure
2. Preliminary Inventory of Historic Properties within the APE

Enclosure 1 – Area of Potential Effects (130 dB Unweighted Sound Level)

Enclosure 2 – Preliminary Inventory of Historic Properties within the APE

SEARCH's March 2026 review of the FMSF database indicates there are 164 previously recorded cultural resources within the APE, including: 91 structures; 2 cemeteries; 18 resource groups (including an National Historic Landmark [NHL], building complexes, historic districts, archaeological districts, and mixed districts); 8 linear resources; and 45 archaeological sites. These resources are summarized below in **Table 1**.

FMSF data indicates three buildings (Resources 8BR01934, 8B81961, and 8BR02135) have been destroyed, and will not be included in further analyses. Additionally, a review of the 2025 CCCAFS ICRMP indicated 8 of the 56 NRHP-eligible structures are NRHP-listed; and 2 of the seven structures "not evaluated" by SHPO in FMSF data are recommended eligible for NRHP inclusion. This information is reflected in **Table 1**.

Table 1. Previously Recorded Resources within the APE.

FMSF #	Resource Name	Date	Type/Style	NRHP Status
Structures				
BR00212	Cape Canaveral Lighthouse	1867	Other	Eligible
BR01934	LC (LC) 36	1959	Other	Not Extant/Eligible
BR01961	LC 36B Gantry	1963	Other	Not Extant/Eligible
BR01980 *	Hangar C	1953	Industrial Vernacular	Eligible
BR01981	Launch Bldg. 21/22 (#5912)	1958	Commercial	Eligible
BR01982	CX 21/22 Utility Room (#5914)	1958	Commercial	Eligible
BR01983	Block House CX 21/22 (#5951)	1958	Commercial	Eligible
BR01984	Storage Building (#5959)		Commercial	Eligible
BR01985	LC 21/22	1956	Other	Eligible
BR02031	Oil House at Cape Canaveral Lighthouse	1868	Masonry vernacular	Not Evaluated by SHPO
BR02032	Storage Shed at Cape Canaveral Lighthouse	1865	Masonry vernacular	Not Evaluated by SHPO
BR02134	LC 12 Blockhouse	ca. 1956	Unspecified by Surveyor	Eligible
BR02135	LC 13 Blockhouse (Fac. 8801)	1958	Other	Not Extant/Eligible
BR02186	Facility 17768-LC 9 & 10 Pump House	1953	Industrial Vernacular	Eligible
BR02187	Facility 17700-LC 10 Launch Pad	1953	Other	Ineligible
BR02199	LC 13 Ready Bldg/Contractors Support	1958	Industrial Vernacular	Eligible
BR02200	LC 13 Launch Stand and Ramp...	1958	Industrial Vernacular	Eligible
BR02201	LC 13 Flume and Skimming Basin	1958	Industrial Vernacular	Eligible
BR02202	LC 13 LOX/GN2 Storage Area	1958	Industrial Vernacular	Eligible
BR02203	LC 13 Guard Shack (Fac. 8809)	1958	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02204	LC 13 POL Building (Fac. 8807)	1958	Industrial Vernacular	Eligible
BR02205	LC 13 Water Demineralization Station	1958	Industrial Vernacular	Eligible
BR02206	LC 13 Gantry rails and Parking Area	ca. 1958	Industrial Vernacular	Eligible
BR02207	LC 13 Propellant (RP-1) Facility	ca. 1956	Industrial Vernacular	Eligible
BR02208	LC 13 POL Building (Fac. 8814)	ca. 1960	Industrial Vernacular	Eligible
BR02210 *	LC 14 Launch Stand and Ramp	1957	Industrial Vernacular	Eligible
BR02211	LC 14 Propellant Transfer Unit	1957	Industrial Vernacular	Eligible
BR02212 *	LC 14 Jet Propellant-4 Facility	ca. 1957	Industrial Vernacular	Eligible
BR02213	LC 14 POL (Fac. 1684W/8602)	ca. 1957	Industrial Vernacular	Eligible
BR02214 *	LC 14 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Eligible
BR02215 *	LC 14 Flume and Skimming Basin	ca. 1957	Industrial Vernacular	Eligible
BR02216 *	LC 14 Blockhouse	ca. 1957	Industrial Vernacular	Eligible
BR02217	LC 14 Ready Building	ca. 1957	Industrial Vernacular	Eligible
BR02218	LC 14 Communications Cable Building	ca. 1957	Industrial Vernacular	Eligible
BR02219 *	LC 14 Demineralization Station	ca. 1957	Industrial Vernacular	Eligible
BR02220 *	LC 14 Rails and Service Tower Parking	ca. 1957	Industrial Vernacular	Eligible
BR02221 *	Mercury Memorial	ca. 1957	Other	Eligible
BR02235	Tethered Balloon Facility (Fac. 2825)	1971	Industrial Vernacular	Ineligible
BR02236	LC 3 & 4 Blockhouse	1951	Industrial Vernacular	Eligible
BR02237	Launch Pad 3 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02238	Launch Pad 4 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02239	High Pressure Air Bldg4 (Facility 2805)	1950	Industrial Vernacular	Eligible
BR02240	Bomarc Building (Facility 2841)	1955	Industrial Vernacular	Eligible
BR02241	Comp. & Cool Building (Facility 2842)	1955	Industrial Vernacular	Eligible
BR02242	High Pressure Air Facility	1951	Industrial Vernacular	Eligible
BR02245	Hangar O (Facility 1366)	1953	Other	Ineligible
BR02249	LC 1 & 2 Blockhouse (Fac. 4140)	1951	Industrial Vernacular	Eligible
BR02250	Launch Pad 1 (Fac. 4210)	1951	Industrial Vernacular	Eligible
BR02251	Launch Pad 2 (Fac. 4141)	1951	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02252	Transformer Building (Fac. 4120)	1951	Industrial Vernacular	Eligible
BR02253	Snark Pad (LC 23/24)	1953	Industrial Vernacular	Eligible
BR02259	Ground Support Building (Fac. 2826)	1983	Industrial Vernacular	Ineligible
BR02301	LC 11 Blockhouse	ca. 1956	Industrial Vernacular	Eligible
BR02302	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02303	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02304	LC 11 Liquid Oxygen/Gaseous Nitrogen Sto	ca. 1956	Industrial Vernacular	Ineligible
BR02305	LC 11 Propellant (RP-1) Faci	ca. 1956	Industrial Vernacular	Ineligible
BR02306	LC 11 JP-4 Fuel Facility	ca. 1956	Industrial Vernacular	Ineligible
BR02307	LC 11 Spillway and Catchment	ca. 1956	Industrial Vernacular	Ineligible
BR02313	NRC Experimentation Facility Storage Bldg	1959	Industrial Vernacular	Eligible
BR02327	LC 12 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Ineligible
BR02328	LC 12 Jet Propellant-4	ca. 1956	Industrial Vernacular	Ineligible
BR02329	LC 12 Gantry Rails and Parking Area	ca. 1956	Industrial Vernacular	Ineligible
BR02330	LC 12 Flume and Skimming	ca. 1956	Industrial Vernacular	Ineligible
BR02331	LC 12 Communications Cable Building	ca. 1956	Industrial Vernacular	Ineligible
BR02333	LC 36 Blockhouse	1959	Industrial Vernacular	Eligible
BR02348	NRC Experimentation Facility	1952	Industrial Vernacular	Eligible
BR02397	Facility 1334A: GPI Camera Pad U24R56	ca. 1956	No style	Eligible
BR02398	Facility 1334C: GPI Camera Pad U2R56	ca. 1956	No style	Eligible
BR02516 *	LC 32 Blockhouse	1959	Industrial Vernacular	Eligible
BR02541	Facility 1361 - Storage Building	ca. 1951	Industrial Vernacular	Not Evaluated by SHPO
BR02545	LC 31/32 Launch Support Building, Fac. 17781	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03297	Fac. 17705-LC32A Optical Alignment Building	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03340	Facility 20395: Universal Camera Pad 21	ca. 1965	No style	Eligible
BR03382	Camera Target LC11 #1	1964	Not Applicable	Ineligible
BR03383	Camera Target LC11 #2	1964	Not Applicable	Ineligible
BR04183	CCAFS LMU 18 Valve Pit	1950	Other	Ineligible
BR04187	LC 14 Thrust Block and Valve Pit	ca. 1956	Other	Ineligible
BR04337	Facility 03100 (Complex Support Building)	1985	Industrial Vernacular	Ineligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04338	Facility 03101 (Launch Pad, LC 46)	1985	Industrial Vernacular	Ineligible
BR04339	Facility 03102 (Sentry House)	1985	Industrial Vernacular	Ineligible
BR04340	Facility 03104 (Ordnance Test Shed)	1985	Industrial Vernacular	Ineligible
BR04341	Facility 03106 (POL Storage Building)	1987	Industrial Vernacular	Ineligible
BR04342	Facility 03109 (Area Crew Storage)	1987	Industrial Vernacular	Ineligible
BR04343	Facility 03112 (Packaging Pit)	1985	Industrial Vernacular	Ineligible
BR04344	Facility 03113 (Mobile Crane)	1985	Industrial Vernacular	Ineligible
BR04345	Facility 03114 (Erector Pit)	1985	Industrial Vernacular	Ineligible
BR04346	Facility 03117 (Equipment Building)	1992	Industrial Vernacular	Ineligible
BR04347	Facility 03118 (Equipment Building)	1985	Industrial Vernacular	Ineligible
BR04348	Facility 03120 (SF Mobile Service Tower)	1997	Industrial Vernacular	Ineligible
BR04349	Facility 03122 (Camera Pad)	2005	Industrial Vernacular	Ineligible
Cemeteries				
BR02357	Facility 6403-Osmon Grave	ca. 1913	N/A	Eligible
BR02358	Fac. 6405-Canaveral Fish Company Grave	ca. 1913	N/A	Eligible
Resource Groups				
BR00216	Cape Canaveral Air Force Station	Modern, 1950-present	Historic District	Listed, NHL
BR00238	Canaveral Town	Boom Times, 1921-1929	Archaeological District	Insufficient Information
BR02022	LC 21/22	20th century American, 1900-present	Historic District	Eligible
BR02033	Cape Canaveral Lighthouse Station District	American Civil War, 1861-1865	Mixed District	Not Evaluated by SHPO
BR02188	LC 9 Resource Group	20th century American, 1900-present	Building Complex	Eligible
BR02189	LC 10 Resource Group	20th century American, 1900-present	Building Complex	Ineligible
BR02198	LC 13	20th century American, 1900-present	Historic District	Eligible
BR02209	LC 14	Modern, 1950-present	Historic District	Eligible
BR02234	LC 3 & 4	20th century American, 1900-present	Historic District	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02248	LC 1-2	20th century American, 1900-present	Historic District	Eligible
BR02308	LC 11	Modern, 1950-present	Historic District	Ineligible
BR02312	LC 15	20th century American, 1900-present	Historic District	Ineligible
BR02320	LC 12	Modern, 1950-present	Historic District	Ineligible
BR02535	LC 31/32	20th century American, 1900-present	Building Complex	Not Evaluated by SHPO
BR03186	Skid Strip Historic District	Modern, 1950-present	Historic District	Eligible
BR03433	Control Tower Road Tracking Sites	Modern, 1950-present	Historic District	Eligible
BR04000	Cape Fish Company	20th century American, 1900-present	Archaeological District	Eligible
BR04336	Space LC 46 Documentation	Modern, 1950-present	Building Complex	Ineligible
Linear Resources				
BR02336	Facility 50305: Skid Strip	Modern, 1950-present	Skid Strip	Eligible
BR02363	Canaveral Beach Canal	Boom Times, 1921-1929	Canal	Not Evaluated by SHPO
BR03384	NW Road	20th century American, 1900-present	Road	Ineligible
BR03385	Palmetto Drive	20th century American, 1900-present	Road	Ineligible
BR03386	White Drive	20th century American, 1900-present	Road	Ineligible
BR03387	Avenido	20th century American, 1900-present	Road	Ineligible
BR03555	Glenn Substation Road	Historic	Road	Ineligible
BR04191	ICBM Road	Modern, 1950-present	Road	Eligible
Archaeological Sites				
BR00234	Old Lighthouse	19th century American, 1821-1899	Building remains	Not Evaluated by SHPO
BR00238 A	Canaveral Town Site B	20th century American, 1900-present	Building remains	Insufficient Information
BR00238 B	Canaveral Town Site C	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR00238 C	Canaveral Town Site D	20th century American, 1900- present	Building remains	Insufficient Information
BR00238 D	Canaveral Town Site E	20th century American, 1900- present	Building remains	Insufficient Information
BR00239	Stinktown and Jeffords	19th century American, 1821- 1899	Building remains	Potentially Eligible
BR01642	NS BR 7	Malabar I	Habitation (prehistoric)	Insufficient Information
BR01660	New Lighthouse Site	19th century American, 1821- 1899	Agriculture/Farm structure	Ineligible
BR02174	Beach Trail	20th century American, 1900- present	Specialized site for procurement of raw materials	Ineligible
BR02314	Sherds in the Road	20th century American, 1900- present	Land-terrestrial	Ineligible
BR02343	Cape Point	Malabar I	Land-terrestrial	Ineligible
BR02365	Fac. 1330B: Beat-Beat DOVAP 12-110-PLM	20th century American, 1900- present	Building remains	Eligible
BR02367	Camera Pad D44R53	20th century American, 1900- present	Building remains	Ineligible
BR02396	Fac. 1343: East Compass Rose	20th century American, 1900- present	Building remains	Eligible
BR02515	Cinetheodolite	20th century American, 1900- present	Building remains	Ineligible
BR03047	QB-17 Crash Site	20th century American, 1900- present	Aircraft Wreckage/Crash Site	Eligible
BR03176	Angy's Scatter	20th century American, 1900- present	Farmstead	Ineligible
BR03177	Atlas Debris	20th century American, 1900- present	Land-terrestrial	Ineligible
BR03178	Canaveral Rose's Garden	Malabar I	Specialized site for procurement of raw materials	Ineligible
BR03335	Fac. 17200: Weather Theodolite Pad B	20th century American, 1900- present	Building remains	Eligible
BR03336	Fac. 1331: Telemetry ELSEE 12-110-PL	20th century American, 1900- present	Building remains	Eligible
BR03337	Fac. 1333B: Beat-Beat DOVAP 14-110-PLM	20th century American, 1900- present	Building remains	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR03338	Fac. 1333A:Beat-Beat DOVAP 14-110-PR	20th century American, 1900-present	Building remains	Eligible
BR03339	Fac. 1334: Telemetry ELSEE 12-110-PRS	20th century American, 1900-present	Building remains	Eligible
BR03341	Facility 74610: Camera Pad	20th century American, 1900-present	Building remains	Eligible
BR03370	1-5 G13	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03371	8-5 E6	20th century American, 1900-present	Homestead	Ineligible
BR03372	15-9 A9	20th century American, 1900-present	Aircraft Wreckage/Crash Site	Ineligible
BR03373	18-7 G22/Lansing Beach School	20th century American, 1900-present	Homestead	Ineligible
BR03374	11-22.5 E20	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03375	31-3 T6	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03376	10-3 G1	20th century American, 1900-present	Homestead	Ineligible
BR03379	17.5-11-E21	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03380	32-1-E25	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03381	31-6.5-E24	20th century American, 1900-present	Homestead	Ineligible
BR03390	Bronze Cannon Wreck	French	Saltwater submerged site	Not Evaluated by SHPO
BR03534	Former NAA Control Tower Site	20th century American, 1900-present	Building remains	Eligible
BR03995	CCAFS LMU 87 Missile Crash	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03997	CCAFS Facility 1485 - Camera Pad Site D	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03998	CCAFS Facility 1430 - SHANICLE Building	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04188	CCAFS LMU 53 Concrete Pads	20th century American, 1900-present	Building remains	Ineligible
BR04189	CCAFS LMU 61 Concrete Remains	20th century American, 1900-present	Building remains	Ineligible
BR04190	Camera Road E Artifact Scatter	20th century American, 1900-present	Land-terrestrial	Ineligible
BR04368	Site One	No Information	Saltwater submerged site	Not Evaluated by SHPO
BR04369	Site Two	No Information	Saltwater submerged site	Not Evaluated by SHPO

*Asterisk indicates the resource's NRHP eligibility in FMSF differs from that reflected in the table (2025 CCAFS ICMRP).



DEPARTMENT OF THE AIR FORCE
UNITED STATES SPACE FORCE
SPACE LAUNCH DELTA 45

2 April 2026

MEMORANDUM FOR TRIBAL HISTORIC PRESERVATION OFFICER
SEMINOLE TRIBE OF FLORIDA
ATTENTION: MS. TINA OSCEOLA
30290 JOSIE BILLIE HIGHWAY, PMB 1004
CLEWISTON, FL 33440

FROM: 45 CES/CEIE
1224 Jupiter Street, MS-9125
Patrick Space Force Base FL 32925-3242

SUBJECT: Blue Origin New Glenn Environmental Assessment, Space Launch Complex
(SLC)-36, Cape Canaveral Space Force Station, Brevard County, Florida.

The purpose of this letter is to initiate consultation under Section 106 of the National Historic Preservation Act of 1966 (NHPA) and to invite the Seminole Tribe of Florida to participate as a Consulting Party.

1. The U.S. Department of the Air Force, Space Launch Delta 45 (SLD 45) is initiating consultation with your office pursuant to Section 106 of the National Historic Preservation Act (NHPA) of 1966 as part of the Federal Aviation Administration's (FAA) environmental review for the proposed license modification for the Blue Origin New Glenn vehicle at Space Launch Complex 36 (SLC-36), Cape Canaveral Space Force Station (CCSFS). Under the direction of the FAA as lead federal agency for National Environmental Policy Act (NEPA) compliance, Blue Origin is preparing an Environmental Assessment (EA) to evaluate the potential impacts of a proposed launch cadence increase. SLD 45 is acting as the lead federal agency for compliance with Section 106 of the NHPA.

2. Description of the Undertaking

The undertaking involves modification of a vehicle operator license by the FAA's Office of Commercial Space Transportation that will allow for an increased launch cadence for the Blue Origin New Glenn vehicle at SLC-36. Specifically, this modification would allow for an increase from 12 launches per year under the current license to a maximum of 50 launches per year. Additionally, the proposed license modification would allow for up to 50 Stage 1 engine static fires and up to 50 Stage 2 engine static fires per year. These operations would utilize existing and modified facilities at SLC-36; no new construction or infrastructure is proposed. First stages will reenter the atmosphere over the Atlantic Ocean and land approximately 300–500 nautical miles downrange on an offshore floating platform.

3. Area of Potential Effects

The area of potential effects (APE) considers any physical, visual, or auditory effects that the undertaking may have on historic properties as defined in 36 Code of Federal Regulations (CFR) 800.16(l)(1). The APE considers the auditory effects of the New Glenn launch and static fire activity. The FAA has determined that the APE for launch and static fires effects, which considers the auditory effects of the proposed undertaking, is defined by the 130 decibel (dB) (unweighted) sound level (**Enclosure 1**). Propulsion noise generated by New Glenn operations was modeled using RUMBLE, version 4.1, using methods consistent with applicable FAA guidance¹.

4. Identification of Historic Properties

The proposed identification approach is designed to make a reasonable and good faith effort to identify historic properties within the APE that may be affected by the undertaking. The undertaking has the potential to affect historic properties from increased vibratory impacts. SLD 45, supported by Southeastern Archaeological Research, LLC (SEARCH), will compile an inventory of previously recorded cultural resources (including archaeological sites as well as aboveground historic resources) within the APE that are listed or eligible for listing in the NRHP using the Florida Master Site File database and the Integrated Cultural Resource Management Plan (ICRMP) from CCSFS. A preliminary inventory is provided in **Enclosure 2**.

For individual historic properties or historic districts, this inventory will summarize:

- Resource Names/Numbers
- NRHP-listed or -eligible status;
- NRHP significance and associated NRHP criterion/criteria;
- Area(s) of significance;
- Period(s) of significance;
- Character-defining features; and
- Integrity as of last survey, if known.

Previously recorded resources that were determined ineligible for listing in the NRHP will be excluded from the inventory. SLD 45 will review previously recorded resources with an unknown NRHP eligibility status to determine which should be included in the inventory. This data may be supplemented with information provided by consulting parties and the public. Fieldwork to identify previously unrecorded historic properties or to update existing records is not anticipated.

5. Assessment of Effects to Historic Properties

SLD 45 will assess the undertaking's potential for adverse effects to individual historic properties and historic districts within the APE. This will be accomplished utilizing the resource description provided in the inventory, particularly the character defining features, and then detailing if the proposed undertaking has the potential to alter those features in a manner that would diminish the

¹ *Noise Study for Blue Origin New Glenn Operations at CCSFS SLC-36*, conducted by Blue Ridge Research and Consulting, March 2026.

integrity of the resource. If adverse effects are identified, SLD 45 will proceed to address the resolution requirements, as stipulated in 36 CFR 800.6.

6. Consultation

Please let us know if your Tribe would like to participate as a Consulting Party in the Section 106 process. Should you choose to participate, SLD 45 will prepare a document summarizing the findings of effects to historic properties and will submit a draft to you for review. Early identification of Tribal concerns will allow SLD 45 and FAA to consider ways to avoid and minimize potential impacts to Tribal resources and practices.

If you have any questions or require further assistance, please contact Mr. Thomas Penders, SLD 45 Cultural Resources Manager, at 321-307-0075 or thomas.penders@spaceforce.mil. Your timely response will greatly assist us in incorporating your comments into project planning.

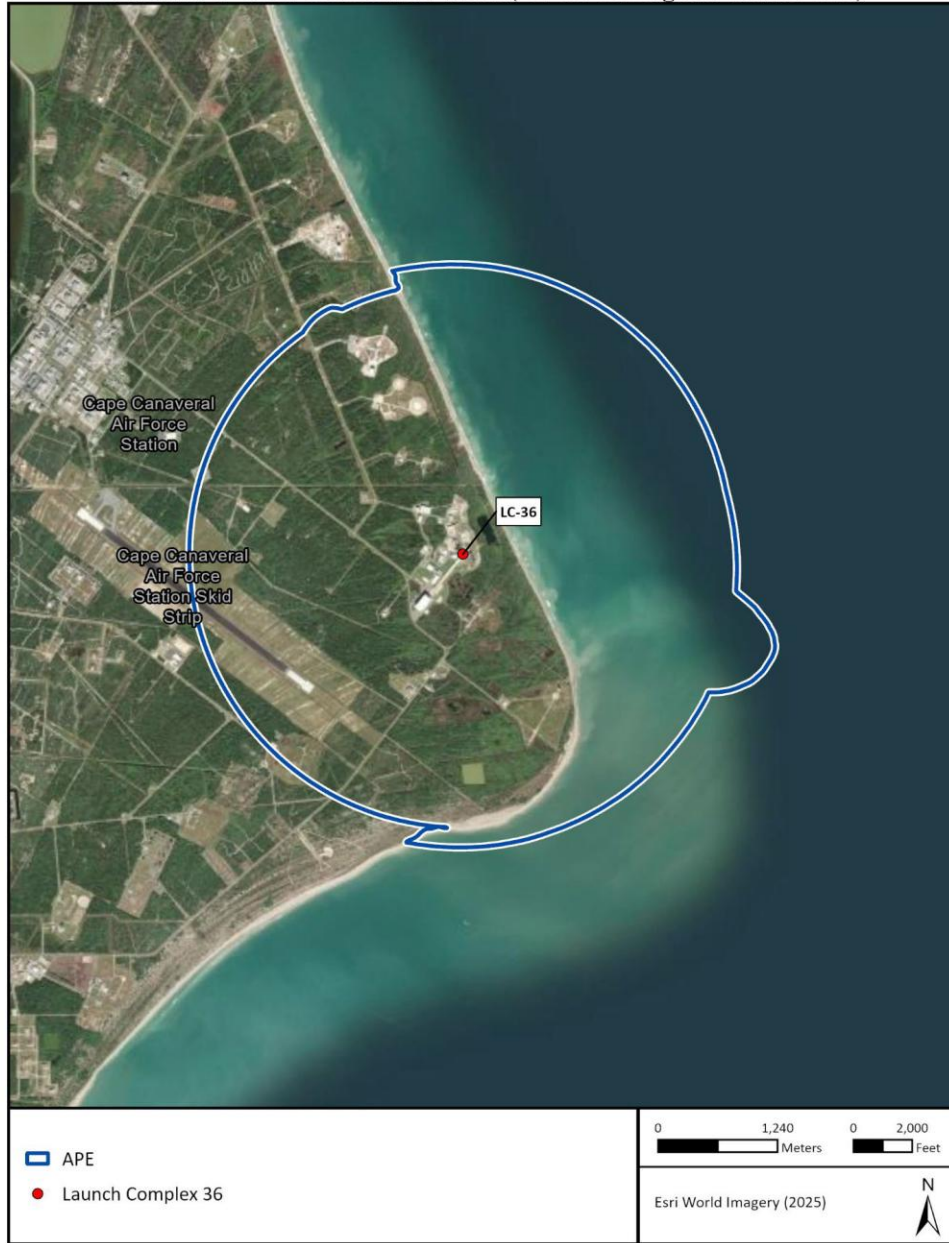
BLAYLOCK.MICHAEL.A.1061700630
EL.A.1061700630
Digitally signed by
BLAYLOCK.MICHAEL.A.1061700
630
Date: 2026.04.02 14:52:29 -04'00'

MICHAEL A. BLAYLOCK, NH-III, DAF
Chief, Environmental Conservation

Enclosures:

1. APE Figure
2. Preliminary Inventory of Historic Properties within the APE

Enclosure 1 – Area of Potential Effects (130 dB Unweighted Sound Level)



Enclosure 2 – Preliminary Inventory of Historic Properties within the APE

SEARCH's March 2026 review of the FMSF database indicates there are 164 previously recorded cultural resources within the APE, including: 91 structures; 2 cemeteries; 18 resource groups (including an National Historic Landmark [NHL], building complexes, historic districts, archaeological districts, and mixed districts); 8 linear resources; and 45 archaeological sites. These resources are summarized below in **Table 1**.

FMSF data indicates three buildings (Resources 8BR01934, 8B81961, and 8BR02135) have been destroyed, and will not be included in further analyses. Additionally, a review of the 2025 CCCAFS ICRMP indicated 8 of the 56 NRHP-eligible structures are NRHP-listed; and 2 of the seven structures "not evaluated" by SHPO in FMSF data are recommended eligible for NRHP inclusion. This information is reflected in **Table 1**.

Table 1. Previously Recorded Resources within the APE.

FMSF #	Resource Name	Date	Type/Style	NRHP Status
Structures				
BR00212	Cape Canaveral Lighthouse	1867	Other	Eligible
BR01934	LC (LC) 36	1959	Other	Not Extant/Eligible
BR01961	LC 36B Gantry	1963	Other	Not Extant/Eligible
BR01980 *	Hangar C	1953	Industrial Vernacular	Eligible
BR01981	Launch Bldg. 21/22 (#5912)	1958	Commercial	Eligible
BR01982	CX 21/22 Utility Room (#5914)	1958	Commercial	Eligible
BR01983	Block House CX 21/22 (#5951)	1958	Commercial	Eligible
BR01984	Storage Building (#5959)		Commercial	Eligible
BR01985	LC 21/22	1956	Other	Eligible
BR02031	Oil House at Cape Canaveral Lighthouse	1868	Masonry vernacular	Not Evaluated by SHPO
BR02032	Storage Shed at Cape Canaveral Lighthouse	1865	Masonry vernacular	Not Evaluated by SHPO
BR02134	LC 12 Blockhouse	ca. 1956	Unspecified by Surveyor	Eligible
BR02135	LC 13 Blockhouse (Fac. 8801)	1958	Other	Not Extant/Eligible
BR02186	Facility 17768-LC 9 & 10 Pump House	1953	Industrial Vernacular	Eligible
BR02187	Facility 17700-LC 10 Launch Pad	1953	Other	Ineligible
BR02199	LC 13 Ready Bldg/Contractors Support	1958	Industrial Vernacular	Eligible
BR02200	LC 13 Launch Stand and Ramp...	1958	Industrial Vernacular	Eligible
BR02201	LC 13 Flume and Skimming Basin	1958	Industrial Vernacular	Eligible
BR02202	LC 13 LOX/GN2 Storage Area	1958	Industrial Vernacular	Eligible
BR02203	LC 13 Guard Shack (Fac. 8809)	1958	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02204	LC 13 POL Building (Fac. 8807)	1958	Industrial Vernacular	Eligible
BR02205	LC 13 Water Demineralization Station	1958	Industrial Vernacular	Eligible
BR02206	LC 13 Gantry rails and Parking Area	ca. 1958	Industrial Vernacular	Eligible
BR02207	LC 13 Propellant (RP-1) Facility	ca. 1956	Industrial Vernacular	Eligible
BR02208	LC 13 POL Building (Fac. 8814)	ca. 1960	Industrial Vernacular	Eligible
BR02210 *	LC 14 Launch Stand and Ramp	1957	Industrial Vernacular	Eligible
BR02211	LC 14 Propellant Transfer Unit	1957	Industrial Vernacular	Eligible
BR02212 *	LC 14 Jet Propellant-4 Facility	ca. 1957	Industrial Vernacular	Eligible
BR02213	LC 14 POL (Fac. 1684W/8602)	ca. 1957	Industrial Vernacular	Eligible
BR02214 *	LC 14 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Eligible
BR02215 *	LC 14 Flume and Skimming Basin	ca. 1957	Industrial Vernacular	Eligible
BR02216 *	LC 14 Blockhouse	ca. 1957	Industrial Vernacular	Eligible
BR02217	LC 14 Ready Building	ca. 1957	Industrial Vernacular	Eligible
BR02218	LC 14 Communications Cable Building	ca. 1957	Industrial Vernacular	Eligible
BR02219 *	LC 14 Demineralization Station	ca. 1957	Industrial Vernacular	Eligible
BR02220 *	LC 14 Rails and Service Tower Parking	ca. 1957	Industrial Vernacular	Eligible
BR02221 *	Mercury Memorial	ca. 1957	Other	Eligible
BR02235	Tethered Balloon Facility (Fac. 2825)	1971	Industrial Vernacular	Ineligible
BR02236	LC 3 & 4 Blockhouse	1951	Industrial Vernacular	Eligible
BR02237	Launch Pad 3 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02238	Launch Pad 4 (Facility 4101)	1951	Industrial Vernacular	Eligible
BR02239	High Pressure Air Bldg4 (Facility 2805)	1950	Industrial Vernacular	Eligible
BR02240	Bomarc Building (Facility 2841)	1955	Industrial Vernacular	Eligible
BR02241	Comp. & Cool Building (Facility 2842)	1955	Industrial Vernacular	Eligible
BR02242	High Pressure Air Facility	1951	Industrial Vernacular	Eligible
BR02245	Hangar O (Facility 1366)	1953	Other	Ineligible
BR02249	LC 1 & 2 Blockhouse (Fac. 4140)	1951	Industrial Vernacular	Eligible
BR02250	Launch Pad 1 (Fac. 4210)	1951	Industrial Vernacular	Eligible
BR02251	Launch Pad 2 (Fac. 4141)	1951	Industrial Vernacular	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02252	Transformer Building (Fac. 4120)	1951	Industrial Vernacular	Eligible
BR02253	Snark Pad (LC 23/24)	1953	Industrial Vernacular	Eligible
BR02259	Ground Support Building (Fac. 2826)	1983	Industrial Vernacular	Ineligible
BR02301	LC 11 Blockhouse	ca. 1956	Industrial Vernacular	Eligible
BR02302	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02303	LC 11 Ready Bldg/Contractors Support	ca. 1957	Industrial Vernacular	Ineligible
BR02304	LC 11 Liquid Oxygen/Gaseous Nitrogen Sto	ca. 1956	Industrial Vernacular	Ineligible
BR02305	LC 11 Propellant (RP-1) Faci	ca. 1956	Industrial Vernacular	Ineligible
BR02306	LC 11 JP-4 Fuel Facility	ca. 1956	Industrial Vernacular	Ineligible
BR02307	LC 11 Spillway and Catchment	ca. 1956	Industrial Vernacular	Ineligible
BR02313	NRC Experimentation Facility Storage Bldg	1959	Industrial Vernacular	Eligible
BR02327	LC 12 Liquid Oxygen/Gaseous Nitrogen	ca. 1957	Industrial Vernacular	Ineligible
BR02328	LC 12 Jet Propellant-4	ca. 1956	Industrial Vernacular	Ineligible
BR02329	LC 12 Gantry Rails and Parking Area	ca. 1956	Industrial Vernacular	Ineligible
BR02330	LC 12 Flume and Skimming	ca. 1956	Industrial Vernacular	Ineligible
BR02331	LC 12 Communications Cable Building	ca. 1956	Industrial Vernacular	Ineligible
BR02333	LC 36 Blockhouse	1959	Industrial Vernacular	Eligible
BR02348	NRC Experimentation Facility	1952	Industrial Vernacular	Eligible
BR02397	Facility 1334A: GPI Camera Pad U24R56	ca. 1956	No style	Eligible
BR02398	Facility 1334C: GPI Camera Pad U2R56	ca. 1956	No style	Eligible
BR02516*	LC 32 Blockhouse	1959	Industrial Vernacular	Eligible
BR02541	Facility 1361 - Storage Building	ca. 1951	Industrial Vernacular	Not Evaluated by SHPO
BR02545	LC 31/32 Launch Support Building, Fac. 17781	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03297	Fac. 17705-LC32A Optical Alignment Building	1960	Industrial Vernacular	Not Evaluated by SHPO
BR03340	Facility 20395: Universal Camera Pad 21	ca. 1965	No style	Eligible
BR03382	Camera Target LC11 #1	1964	Not Applicable	Ineligible
BR03383	Camera Target LC11 #2	1964	Not Applicable	Ineligible
BR04183	CCAFS LMU 18 Valve Pit	1950	Other	Ineligible
BR04187	LC 14 Thrust Block and Valve Pit	ca. 1956	Other	Ineligible
BR04337	Facility 03100 (Complex Support Building)	1985	Industrial Vernacular	Ineligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04338	Facility 03101 (Launch Pad, LC 46)	1985	Industrial Vernacular	Ineligible
BR04339	Facility 03102 (Sentry House)	1985	Industrial Vernacular	Ineligible
BR04340	Facility 03104 (Ordnance Test Shed)	1985	Industrial Vernacular	Ineligible
BR04341	Facility 03106 (POL Storage Building)	1987	Industrial Vernacular	Ineligible
BR04342	Facility 03109 (Area Crew Storage)	1987	Industrial Vernacular	Ineligible
BR04343	Facility 03112 (Packaging Pit)	1985	Industrial Vernacular	Ineligible
BR04344	Facility 03113 (Mobile Crane)	1985	Industrial Vernacular	Ineligible
BR04345	Facility 03114 (Erector Pit)	1985	Industrial Vernacular	Ineligible
BR04346	Facility 03117 (Equipment Building)	1992	Industrial Vernacular	Ineligible
BR04347	Facility 03118 (Equipment Building)	1985	Industrial Vernacular	Ineligible
BR04348	Facility 03120 (SF Mobile Service Tower)	1997	Industrial Vernacular	Ineligible
BR04349	Facility 03122 (Camera Pad)	2005	Industrial Vernacular	Ineligible
Cemeteries				
BR02357	Facility 6403-Osmon Grave	ca. 1913	N/A	Eligible
BR02358	Fac. 6405-Canaveral Fish Company Grave	ca. 1913	N/A	Eligible
Resource Groups				
BR00216	Cape Canaveral Air Force Station	Modern, 1950-present	Historic District	Listed, NHL
BR00238	Canaveral Town	Boom Times, 1921-1929	Archaeological District	Insufficient Information
BR02022	LC 21/22	20th century American, 1900-present	Historic District	Eligible
BR02033	Cape Canaveral Lighthouse Station District	American Civil War, 1861-1865	Mixed District	Not Evaluated by SHPO
BR02188	LC 9 Resource Group	20th century American, 1900-present	Building Complex	Eligible
BR02189	LC 10 Resource Group	20th century American, 1900-present	Building Complex	Ineligible
BR02198	LC 13	20th century American, 1900-present	Historic District	Eligible
BR02209	LC 14	Modern, 1950-present	Historic District	Eligible
BR02234	LC 3 & 4	20th century American, 1900-present	Historic District	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR02248	LC 1-2	20th century American, 1900-present	Historic District	Eligible
BR02308	LC 11	Modern, 1950-present	Historic District	Ineligible
BR02312	LC 15	20th century American, 1900-present	Historic District	Ineligible
BR02320	LC 12	Modern, 1950-present	Historic District	Ineligible
BR02535	LC 31/32	20th century American, 1900-present	Building Complex	Not Evaluated by SHPO
BR03186	Skid Strip Historic District	Modern, 1950-present	Historic District	Eligible
BR03433	Control Tower Road Tracking Sites	Modern, 1950-present	Historic District	Eligible
BR04000	Cape Fish Company	20th century American, 1900-present	Archaeological District	Eligible
BR04336	Space LC 46 Documentation	Modern, 1950-present	Building Complex	Ineligible
Linear Resources				
BR02336	Facility 50305: Skid Strip	Modern, 1950-present	Skid Strip	Eligible
BR02363	Canaveral Beach Canal	Boom Times, 1921-1929	Canal	Not Evaluated by SHPO
BR03384	NW Road	20th century American, 1900-present	Road	Ineligible
BR03385	Palmetto Drive	20th century American, 1900-present	Road	Ineligible
BR03386	White Drive	20th century American, 1900-present	Road	Ineligible
BR03387	Avenido	20th century American, 1900-present	Road	Ineligible
BR03555	Glenn Substation Road	Historic	Road	Ineligible
BR04191	ICBM Road	Modern, 1950-present	Road	Eligible
Archaeological Sites				
BR00234	Old Lighthouse	19th century American, 1821-1899	Building remains	Not Evaluated by SHPO
BR00238 A	Canaveral Town Site B	20th century American, 1900-present	Building remains	Insufficient Information
BR00238 B	Canaveral Town Site C	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR00238 C	Canaveral Town Site D	20th century American, 1900- present	Building remains	Insufficient Information
BR00238 D	Canaveral Town Site E	20th century American, 1900- present	Building remains	Insufficient Information
BR00239	Stinktown and Jeffords	19th century American, 1821- 1899	Building remains	Potentially Eligible
BR01642	NS BR 7	Malabar I	Habitation (prehistoric)	Insufficient Information
BR01660	New Lighthouse Site	19th century American, 1821- 1899	Agriculture/Farm structure	Ineligible
BR02174	Beach Trail	20th century American, 1900- present	Specialized site for procurement of raw materials	Ineligible
BR02314	Sherds in the Road	20th century American, 1900- present	Land-terrestrial	Ineligible
BR02343	Cape Point	Malabar I	Land-terrestrial	Ineligible
BR02365	Fac. 1330B: Beat-Beat DOVAP 12-110-PLM	20th century American, 1900- present	Building remains	Eligible
BR02367	Camera Pad D44R53	20th century American, 1900- present	Building remains	Ineligible
BR02396	Fac. 1343: East Compass Rose	20th century American, 1900- present	Building remains	Eligible
BR02515	Cinetheodolite	20th century American, 1900- present	Building remains	Ineligible
BR03047	QB-17 Crash Site	20th century American, 1900- present	Aircraft Wreckage/Crash Site	Eligible
BR03176	Angy's Scatter	20th century American, 1900- present	Farmstead	Ineligible
BR03177	Atlas Debris	20th century American, 1900- present	Land-terrestrial	Ineligible
BR03178	Canaveral Rose's Garden	Malabar I	Specialized site for procurement of raw materials	Ineligible
BR03335	Fac. 17200: Weather Theodolite Pad B	20th century American, 1900- present	Building remains	Eligible
BR03336	Fac. 1331: Telemetry ELSEE 12-110-PL	20th century American, 1900- present	Building remains	Eligible
BR03337	Fac. 1333B: Beat-Beat DOVAP 14-110-PLM	20th century American, 1900- present	Building remains	Eligible

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR03338	Fac. 1333A:Beat-Beat DOVAP 14-110-PR	20th century American, 1900-present	Building remains	Eligible
BR03339	Fac. 1334: Telemetry ELSEE 12-110-PRS	20th century American, 1900-present	Building remains	Eligible
BR03341	Facility 74610: Camera Pad	20th century American, 1900-present	Building remains	Eligible
BR03370	1-5 G13	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03371	8-5 E6	20th century American, 1900-present	Homestead	Ineligible
BR03372	15-9 A9	20th century American, 1900-present	Aircraft Wreckage/Crash Site	Ineligible
BR03373	18-7 G22/Lansing Beach School	20th century American, 1900-present	Homestead	Ineligible
BR03374	11-22.5 E20	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03375	31-3 T6	20th century American, 1900-present	Agriculture/Farm structure	Ineligible
BR03376	10-3 G1	20th century American, 1900-present	Homestead	Ineligible
BR03379	17.5-11-E21	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03380	32-1-E25	20th century American, 1900-present	Land-terrestrial	Ineligible
BR03381	31-6.5-E24	20th century American, 1900-present	Homestead	Ineligible
BR03390	Bronze Cannon Wreck	French	Saltwater submerged site	Not Evaluated by SHPO
BR03534	Former NAA Control Tower Site	20th century American, 1900-present	Building remains	Eligible
BR03995	CCAFS LMU 87 Missile Crash	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03997	CCAFS Facility 1485 - Camera Pad Site D	20th century American, 1900-present	Land-terrestrial	Not Evaluated by SHPO
BR03998	CCAFS Facility 1430 - SHANICLE Building	20th century American, 1900-present	Building remains	Not Evaluated by SHPO

FMSF #	Resource Name	Date	Type/Style	NRHP Status
BR04188	CCAFS LMU 53 Concrete Pads	20th century American, 1900-present	Building remains	Ineligible
BR04189	CCAFS LMU 61 Concrete Remains	20th century American, 1900-present	Building remains	Ineligible
BR04190	Camera Road E Artifact Scatter	20th century American, 1900-present	Land-terrestrial	Ineligible
BR04368	Site One	No Information	Saltwater submerged site	Not Evaluated by SHPO
BR04369	Site Two	No Information	Saltwater submerged site	Not Evaluated by SHPO

*Asterisk indicates the resource's NRHP eligibility in FMSF differs from that reflected in the table (2025 CCAFS ICMRP).

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: SLD45 Environmental Conservation <45CES.CEIE.EnvConservWorkflow@spaceforce.mil>
Sent: Thursday, August 6, 2026 9:59 AM
To: Hanson, Amy (FAA) <Amy.Hanson@faa.gov>; Baker, Nicholas M (FAA) <Nicholas.M.Baker@faa.gov>; [REDACTED]
[REDACTED]
Cc: JANISE, TAYLOR M CIV USSF HQ DAF 45 CES/CEIE-C <taylor.janise.1@spaceforce.mil>; NICELY, MEGAN E CIV USSF SSC 45 CES/CEIE-C <megan.nicely.1@spaceforce.mil>; BLAYLOCK, MICHAEL A CIV USSF HQ DAF 45 CES/CEIE <michael.blaylock.4@spaceforce.mil>
Subject: Fw: Continuation of Section 106 Consultation for Blue Origin New Glenn Environmental Assessment at SLC-36, CCSFS

CAUTION: This email originated from outside of the Federal Aviation Administration (FAA). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good morning,

See below SHPO concurrence for the subject project!

v/r

Jessica Stuczynski
NEPA Program Manager, PSFB
45 CES/CEIE
WP: 321-494-9272

From: Edwards, Scott <Scott.Edwards@dos.fl.gov>
Sent: Tuesday, July 28, 2026 8:24 AM
To: SLD45 Environmental Conservation <45CES.CEIE.EnvConservWorkflow@spaceforce.mil>

Subject: [Non-DoD Source] RE: Continuation of Section 106 Consultation for Blue Origin New Glenn Environmental Assessment at SLC-36, CCSFS

DHR No: 2026-4212

The Florida State Historic Preservation Officer reviewed the referenced project for possible effects on historic properties listed, or eligible for listing, in the National Register of Historic Places. The review was conducted in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations in 36 CFR Part 800: Protection of Historic Properties.

Based on the information provided, our office concurs with your finding of No Adverse Effect to historic properties.

If you have any questions, please contact Scott Edwards, Historic Preservationist, by electronic mail scott.edwards@dos.fl.gov, or at 850.245.6333 or 800.847.7278.

Scott Edwards

Historic Preservationist and Florida Historic Golf Trail Coordinator | Bureau of Historic Preservation | Division of Historical Resources | Florida Department of State | 500 South Bronough Street | Tallahassee, Florida
32399 | 850.245.6369 | 1.800.847.7278 | www.flheritage.com and www.floridahistoricgolftrail.com



Akstulewicz, Kevin D. [US-US]

From: STUCZYNSKI, JESSICA L CIV USSF SSC 45 CES/CEIE <jessica.stuczynski@spaceforce.mil>
Sent: Tuesday, August 11, 2026 1:17 PM
To: Hanson, Amy (FAA); Baker, Nicholas M (FAA); Akstulewicz, Kevin D. [US-US]
Cc: Elyse Procopio; BLAYLOCK, MICHAEL A CIV USSF HQ DAF 45 CES/CEIE; JANISE, TAYLOR M CIV USSF HQ DAF 45 CES/CEIE-C; NICELY, MEGAN E CIV USSF SSC 45 CES/CEIE-C
Subject: EXTERNAL: Fw: Continuation of Section 106 Consultation for Blue Origin New Glenn Environmental Assessment at SLC-36, CCSFS
Attachments: FOE Letter_SLC-36_STOF_signed.pdf; FOE Analysis_SLC-36_Final.pdf; 20260811_STOF Concurrence.png
Categories: Admin Record, Follow Up

CAUTION: This email originated from outside of Leidos.

Be cautious when clicking or opening content.

Good afternoon,

As discussed on the call this morning, please see below communication with the Seminole Tribe of Florida (STOF) for the record.

- SLD 45 sent FOE letter to STOF on 04 June 26; no response from STOF
- SLD 45 sent follow up email to STOF on 06 August 26; no response from STOF
- SLD 45 sent text message to STOF on 11 August 26; STOF responded to text and confirmed no comments (text message attached).

Please let me know if there's anything else you need.

v/r

Jessica Stuczynski
 NEPA Program Manager, PSFB
 45 CES/CEIE
 WP: 321-494-9272

From: BLAYLOCK, MICHAEL A CIV USSF HQ DAF 45 CES/CEIE <michael.blaylock.4@spaceforce.mil>
Sent: Tuesday, August 11, 2026 11:48 AM
To: STUCZYNSKI, JESSICA L CIV USSF SSC 45 CES/CEIE <jessica.stuczynski@spaceforce.mil>
Subject: FW: Continuation of Section 106 Consultation for Blue Origin New Glenn Environmental Assessment at SLC-36, CCSFS

Michael Blaylock
 Chief, Environmental Conservation