

PART III – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
SECTION J – LIST OF ATTACHMENTS
J.13 – ENVIRONMENTAL SITE ASSESSMENT REPORT

As of the date of the site survey, we identified the following issues of concern that we advise the NAIS program team to consider during installation planning.

NAIS Environmental Watch List

(1 = No concern, 5 = Immediate attention advised)

Rank

Coordination, Permits, and Approvals

- No issues identified or discuss what the issues are.

Wetlands/Endangered Species/Critical Habitat

- No issues identified or discuss what the issues are.

Historical/Cultural Resources

- No issues identified or discuss what the issues are.

Hazardous Substances/Human-Health

- No issues identified or discuss what the issues are.

Other

- No issues identified or discuss what the issues are.

Questions or concerns regarding this survey report can be directed to:

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XXX Site Environmental Site Assessment Report

A. DIRECTIONS FOR COMPLETION OF REPORT:

To complete this form, the Site Survey Team shall provide and describe information on any potential environmental impacts resulting from the deployment of NAIS for each preferred site and any of its alternatives. Accordingly, the Site Survey Team shall have knowledge of the environmental conditions and features of the site alternatives.

These agencies, where applicable, shall be consulted and any documentation, including records of conversation between the Site Survey Team and the agency, shall be submitted with this form. It should be noted that in addition to fulfilling the requirements of the Council on Environmental Quality's (CEQ) Regulations for Implementing the National Environmental Policy Act through this evaluation process, the USCG is responsible for ensuring NAIS complies with many other laws and regulations. This form is not meant to be a stand-alone document and is to be used in conjunction with all applicable laws, orders, and guidance documents in consultation with the appropriate resource agencies.

B. PROJECT DESCRIPTION

Site Name: _____
Mailing Address _____

XXX is a candidate site for Increment 2 of the Nationwide Automatic Identification System (NAIS) Project. A site survey of the facility was performed on _____ by members of the NAIS implementation team to determine the suitability of the site to support the operational needs of an NAIS site.

The proposed project – based on NAIS implementation team recommendations at the time of the survey – involves Describe what will happen at the site, antenna here, tower modification there, new construction of XXX, etc.. See pictures. Describe how all wiring and cabling will be handled, where utility access will be gained. If any expansions of services at the site are required, including utilities, road access, shelter space, etc. Pictures that illustrate the site and corresponding environmental information are provided in this report.

Name of Preparer: _____
Address: _____

Telephone: _____
Fax: _____
E-mail: _____

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Deployment will occur on a site that is (check one):

- Existing USCG-owned or other Government owned
- Leased from a service provider or 3rd party
- Undeveloped or green space

Site Location: (Provide information to determine precise location of proposed project site; including (if applicable): name, street address, section, township, and range. Provide boundaries of the site. Provide a site plan and vicinity map.)

Name: _____

Address: _____

County: _____

Cross Streets: _____

Latitude: _____

Longitude: _____

Parcel Number: _____

Jurisdiction: _____

FAA Aeronautical # _____

FCC Tower Registration # _____

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Site overview photos

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Topographic, street map or similar with site clearly and accurately identified

**Commercially available aerial photo clearly and accurately showing site location.
Color infrared photography is preferred.**

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C. PROJECT COORDINATION, PERMITS, AND APPROVALS

1. Will the project proposal require the following agency coordination, permits, and/or approvals?

- | | | | | | |
|----|---|--------------------------|-----|--------------------------|----|
| a. | FWPCA Section 401/404..... | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| b. | NPDES, FWPCA Section 402 | <input type="checkbox"/> | | <input type="checkbox"/> | |
| c. | CZMA Federal Consistency Determination | <input type="checkbox"/> | | <input type="checkbox"/> | |
| d. | ESA Biological Assessment..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| e. | MBTA Permit | <input type="checkbox"/> | | <input type="checkbox"/> | |
| f. | DOT Act Section 4(f) verification | <input type="checkbox"/> | | <input type="checkbox"/> | |
| g. | NHPA Section 106 DOE or MOA..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| h. | Farmland Conversion Form AD-1006 | <input type="checkbox"/> | | <input type="checkbox"/> | |
| i. | Clean Air Act Air Quality General Conformity..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| j. | State overlay process (State-level NEPA, Wetlands) applicable | <input type="checkbox"/> | | <input type="checkbox"/> | |

2. Is there likely to be an effect on public health or safety?
 If so, describe type and degree of impact. Yes No

3. Could the proposed project cause or be a highly controversial action based on environmental grounds? If so, describe type and degree of impact. Yes No

4. Is there a potential for effects on the quality of the environment that are likely to be highly controversial in terms of scientific validity or public opinion? If so, describe type and degree of impact. Yes No

5. Is there a potential for effects on the human environment that are highly uncertain or involve unique or unknown risks? If so, describe type and degree of impact. Yes No

6. Will the action set a precedent for future actions with significant effects or a decision in principle about a future consideration? If so, describe type and degree of impact. Yes No

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7. Would the proposed project be inconsistent with or be in violation of any Federal, state or local environmental laws or regulations? If so, describe type and degree of impact. Yes No

D. SITE ASSESSMENT/CLASSIFICATION

1. Geologic/Topographic Characteristics

a. Project site size:

In acres or square feet, whichever is applicable to the site.

b. General description of site:

Are we on a building rooftop, existing tower, or other structure? Are we reusing existing USCG infrastructure? Is the area surrounding the site wooded, urban, wetland, farmland, etc.?

c. Soil type:

From USDA county soil survey or STATSGO database

d. Would the deployment result in:

- | | | | | |
|--|--------------------------|-----|--------------------------|----|
| i) Changes in geologic substructures?..... | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| ii) Disruptions, displacements, compaction?..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| iii) Change in topography? | <input type="checkbox"/> | | <input type="checkbox"/> | |
| iv) Increase erosion by clearing, grubbing, grading, excavation?.. | <input type="checkbox"/> | | <input type="checkbox"/> | |
| v) Exposure of structure or people to mudslides, landslides, ground failure, subsidence, or liquefaction?..... | <input type="checkbox"/> | | <input type="checkbox"/> | |

If yes to any of the above, describe the nature and extent of impacts:

2. Water

a. Ground

- i) Will groundwater be withdrawn or will surface water be discharged into groundwater? If yes, please describe. Yes No

- ii) Describe any waste material that will be discharged into the ground from septic tanks, or other sources such as domestic sewage, industrial, chemicals, etc.

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iii) Is there any known groundwater contamination in the area Yes No that may be affected by the placement of pilings or other below surface structures that are necessary for construction? If yes, describe extent of contamination and any work in progress to address cleanup.

iv) Would the deployment result in:

a) Degradation or alteration of the direction or flow of groundwater? Yes No

b) Change in the quantity of groundwater, either through direct additions or alteration of direction or rate of flow of groundwater? Yes No

c) Substantial reduction in the amount of water otherwise available for water supplies? If yes, explain. Yes No

b. Surface

i) Is there any surface water body on or in the immediate vicinity of the project site (streams, saltwater, lakes, ponds, rivers, wetlands)? If so, describe the type of water body and provide name of water body. Yes No

ii) Would the deployment require work over, in, or adjacent to water, “waters of the United States”, wetlands or tidelands pursuant Section 10 of the Rivers and Harbors Act of 1899? Yes No

iii) Would the deployment result in a discharge of fill material into any surface waters, waters of the U.S., wetlands or tidelands pursuant to Section 404 of the Clean Water Act? Yes No

a) Does the proposed project involve the modification of jurisdictional wetlands as delineated by the 1987 Wetland Delineation Manual? All delineations must be performed by a person whom has completed previous USACE sponsored training in wetland delineations. **Attach documentation regarding USACE coordination efforts and/or any pre-application consultation.** Yes No

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- iv) Would the deployment be located in, or would it encroach upon, any 100-year floodplain as designated by the Federal Emergency Management Agency (FEMA)? **Attach Flood Insurance Rate Map (FIRM) or other information provided by jurisdictional agency depicting location of proposed structure.** If yes, describe type and degree of impact. Yes No
- v) Are there practicable site alternatives outside of the 100-year floodplain? If no, explain why there are none. Yes No
- vi) Would the deployment result in:
- a) Alteration to the course or flow of surface waters? Yes No
 - b) Change in the amount of surface water in any water body? Yes No
 - c) Alteration of surface water quality? Yes No

If answered yes to any of the above, describe expected effects:

c. Waste Water

- i) Describe the source of any runoff, and any methods for collection and disposal:
- ii) To where would runoff flow?
- iii) Does this runoff flow into other surface waters? Yes No
If yes, describe.

d. Coastal Zone Management

- i) Would the deployment occur in a coastal zone management area, as defined by the State's Coastal Zone Management Plan (CZMP)? Yes No
- ii) If "Yes," is the deployment expected to be consistent with the State's CZMP? Yes No

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e. Coastal Barriers

- i) Would the deployment be located within the Coastal Barrier Resource System, as delineated by the U.S. Fish and Wildlife Service (FWS) or FEMA coastal barrier maps? Yes No
If yes, attach copy of barrier map with location shown and include any coordination effort with jurisdictional agencies.

f. Wild and Scenic Rivers

- i) Would the deployment affect any portion of the free-flowing characteristics of a Wild and Scenic River or a Study River, or any adjacent areas that are part of such rivers, listed on the Wild and Scenic Rivers Inventory? Yes No
If "Yes" provide documentation of consultation with National Park Service or the U.S. Forest Service.

The nearest designated Wild and Scenic River (<http://www.nps.gov/rivers/>) is the XXX, located YYY miles to the DIRECTION of the proposed site.

3. Vegetation

a. Describe type of vegetation found on the project site:

b. Type and estimated amount of vegetation to be removed or altered?

- c. Is the area a designated critical habitat? Yes No
If so, describe habitat.

There are or are no critical habitats identified on or near the site. The nearest critical habitat is in XXX. If there is a designated critical habitat on or adjacent to the site, clearly identify it (include a map with its location) and discuss impacts expected.

d. Would the deployment result in:

- i) Change in diversity of species, introduction of new species, invasive species (as defined by Executive Order 13112), or the amount of species? Yes No
If yes, describe type and degree of impact.

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ii) Present a barrier to the normal replenishment of existing species? If yes, describe type and degree of impact. Yes No

iii) Impact to any known candidate or listed threatened and/or endangered species and their critical habitat protected by Federal law or Executive Order? If yes, identify species and impacts to them or their critical habitat. **Include list provided by U.S. Fish and Wildlife Service of endangered, threatened or candidate species.** Yes No

4. Wildlife

a. Identify any birds/animals observed on the site or in the immediate vicinity or those that are known or expected to exist on or near the site:

Birds: .

Mammals:

Reptiles:

Amphibians:

Marine invertebrates:

Fishes:

Other:

b. Is the site located in a migration route or flyway? **If yes, complete Tower Site Evaluation Form, Enclosure A to this document.** Yes No

c. Is the area a designated critical habitat? If yes, describe habitat. Yes No
There **ARE** or **ARE NO** critical habitats identified on or near the site. The nearest critical habitat is in **XXX**. If there is a designated critical habitat on or adjacent to the site, clearly identify it (include a map with its location) and discuss impacts expected.

d. Would the deployment result in:

i) Change in diversity of species, introduction of new species, invasive species (as defined by Executive Order 13112), or number of species? If yes, describe degree and type of impact. Yes No

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- ii) Present a barrier to the migration or movement of birds or other animals? If yes, describe. Yes No

Is a permit required from the FWS? Describe. Yes No

- iii) Deterioration of existing or critical habitat? If yes, describe degree and type of impact. Yes No

- iv) Impact to any known candidate or listed threatened/ endangered species or their critical habitat protected by Federal law or Executive Order? If yes, identify species and impacts to them or their critical habitat. **Include list of endangered, threatened or candidate species from U.S. Fish and Wildlife Service.** Yes No

v) Public Parks, recreation area, wildlife/waterfowl refuge

- a) Would the deployment require the use of any publicly owned land from a public park, recreation area, or wildlife or waterfowl refuge of national, state, or local significance, or land of a historic site of national, state or local significance protected by Section 4(f)? **If yes, include coordination and concurrence from appropriate officials having jurisdiction over such resources regarding the use determination.** Yes No

- b) Would the deployment displace any existing recreational uses, or result in a decrease in number of parks and amount of open spaces? If yes, describe degree and type of impact. Yes No

vi) Historic and Cultural Resources

- a) Are there any places or objects listed on, or potentially eligible for, listing to the National Register of Historic Places, or on state or local preservation registers known to be on the site or within the Area of Potential Effect (APE) of the site (generally 5-mile radius, but can be more or less depending on site and surrounding topography)? **If yes, identify resource and provide NRIS data sheet or other sources used to identify resources.** Yes No

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b) Would the deployment result in:

1) Alteration of or the destruction of any known prehistoric or historic archaeological site? If yes, describe degree and type of impact. Yes No

2) Any potential of adverse physical or aesthetic effects to a historic or cultural resource at the site or within the APE—this includes impacts to the viewshed of a resource located off site? If yes, describe type and degree of impact. Yes No

3) Does the project have the potential to cause a physical change that would affect unique ethnic cultural values? If yes, describe degree and type of impact. Yes No

4) Is the project site on or adjacent to tribal lands? If yes, identify. Yes No

The nearest tribal land is the **XXX** lands/reservation, located approximately **YYY** miles to the **DIRECTION**.

5) Does the project restrict existing tribal religious or sacred uses (these may be outside of reservation boundaries) within the impacted area? If yes, describe type and degree of impact. Yes No

vii) Air Quality

a) Identify whether the project area is in a non-attainment or maintenance area for any of the six criteria (6) pollutants having National Ambient Air Quality Standards (NAAQS) established under the Clean Air Act Amendments of 1990, and identify which pollutant(s) apply. If the proposed project is in an attainment area, no further air quality analysis is needed. Attainment Non-Attainment

List non-attainment priority pollutants:

b) Would the increase in the emission level of the regulated air pollutant(s) for which the project area is in non-attainment or maintenance exceed the *de minimis* standards? Yes No

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c) Would the deployment cause a violation of any Yes No
NAAQS, delay the attainment of any NAAQS, or worsen any existing
NAAQS violation? If yes, describe type and degree of impact.

d) Would the deployment's construction and/or operation Yes No
conform to the State Implementation Plan (SIP) approved
by the state air quality resource agency? **Provide supporting
documentation from State Air Quality Division.**

viii) Noise

a) What hours will noise be generated as a result of construction or operation of
the project?

ix) Land Use

a) What is the current use of the site and adjacent properties?

b) Describe any structures or foundations on the site.

c) Will any structures be demolished? Yes No

d) What is the current zoning classification for the site?

e) What is the current comprehensive plan designation for the site?

f) Would the deployment cause conversion of farmland Yes No
protected by the Farmland Protection Policy Act (FPPA)
(prime or unique farmland) to non-agricultural uses?

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- g) If "Yes" to above, what are the extent of project-related farmland impacts?
Complete and submit to the National Resources Conservation Service the Farmland Conversion Impact Rating Form (NRCS Form AD 1006). Attach completed and signed Form AD1006.
- h) Is any part of the site classified as environmentally sensitive, as defined by the state or local planning jurisdiction? Yes No
If yes, identify and describe.
- i) What mitigation measures does the local planning jurisdiction have in place to protect environmentally sensitive areas? Describe.
- j) Would the deployment displace people, residences, and/or businesses? If so, how many? Yes No
- k) Would the deployment result in:
- 1) A substantial alteration of the present or planned use of an area? Yes No
- 2) Induce growth or development of an area? Yes No
- 3) Conflict with any environmental goal, objective, policy or program of the General or Master Plan? Yes No
- 3) Alter the location, distribution, density or growth rate of the human population of an area? Yes No

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x) Environmental Justice

- a) Would the proposed project negatively and disproportionately impact minority and/or low income populations as defined by Executive Order 12898? Consider human health, social, economic and environmental issues in your evaluation. Yes No
- b) Would the deployment cause disproportionately high adverse impacts on the living conditions or resources used by minority and/or low income populations? If yes, describe the type and degree of impact. Yes No
- c) Would the deployment adversely affect any minority or low income populations' subsistence patterns? If yes, describe type and degree of impact. Yes No

xi) Transportation

- a) Identify any public roads serving the site and describe ingress and egress from the site.
- b) Will the project require any new roads or streets, or improvements to existing roads or streets? If yes, describe. Yes No
- c) How many vehicular trips per day will be generated by the construction and operation of the project? Is this an increase to the site?
- d) Will the project result in alterations to present patterns or circulation or movement of people? If yes, describe type and degree of impact. Yes No

(xii) Public Services and Facilities

- a) Would the deployment result in the need for increased public services? If yes, identify and describe. Yes No

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xiii) Natural Resources, Energy, and Utilities

- a) What types of energy (electric, natural gas, oil) will be used to meet the project's energy needs?
- b) Would the project result in a need for new systems Yes No or substantial alterations of fuel or energy? If yes, describe.

xiv) Hazardous Substances

- a) Could the use of the property impact any of the following:
- | | | | | |
|---------------------------------|--------------------------|-----|--------------------------|----|
| USTs | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| ACMs..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| Lead Paint | <input type="checkbox"/> | | <input type="checkbox"/> | |
| Radioactivity..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| Soil contamination..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
| Groundwater contamination | <input type="checkbox"/> | | <input type="checkbox"/> | |
| Radon..... | <input type="checkbox"/> | | <input type="checkbox"/> | |
- b) Would the deployment require the use of land that may Yes No contain hazardous substances, may be contaminated, or requires the removal of underground storage tanks? If yes, describe.
- c) Is the site on or near an EPA or State listed Superfund Yes No site? If yes, identify and provide location and distance from site.
- d) Would the deployment require storage of over 660 Yes No gallons of fuel in a single AST?
- e) Would the proposed project result in demolition Yes No of structures that might contain hazardous substances? Need to address the potential for asbestos-containing materials and lead-based paint here. If yes, describe.

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f) If the proposed project results in disposal of hazardous substances are approved facilities available? If yes, identify. Yes No

g) Would the deployment require handling of hazardous materials or result in increased hazardous exposure of humans to radio electromagnetic waves? Yes No

xv) Solid Waste

a) Are local disposal facilities capable of handling additional volumes of solid waste resulting from the proposed project? Yes No

xvi) Aesthetics

a) What is the height of the tallest proposed structure AGL?

b) Would the deployment involve increasing the height of an existing tower by more than 30 feet? Yes No

c) What views in the immediate vicinity would be altered or obstructed due to the structure?

d) Would the deployment result in an aesthetically negative site open to public view? If yes, describe type and degree of impact. Yes No

e) Would the deployment require a visual impact assessment because of its proximity to residential or other sensitive land uses? Yes No

xvii) Light and Glare

a) What type of light and glare would be produced by the tower?

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- b) What time of day would light and glare impacts occur?
- c) Could the light or glare be a safety hazard to humans and or wildlife? If yes, explain. Yes No

xviii) Cumulative Impacts

- a) When considered together with other past, present and reasonably foreseeable future development projects on or off the project site, Federal or non-Federal, would the proposed project produce a cumulative effect on any environmental resource categories above? Consider projects that are connected, cumulative and similar. If yes, describe expected impacts. Yes No

E. PREPARER’S CERTIFICATION (SEE ATTACHED FOR PREPARER’S SIGNATURE)

I certify that the information I have provided above is, to the best of my knowledge, correct.

Signature: Date:

Name and title

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ENCLOSURE A
TOWER SITE EVALUATION FORM

1. Location (Attach map):
County: _____ State: _____
Latitude: _____
Longitude: _____
City and Highway Direction: _____

2. Elevation above mean sea level: _____

3. Will the equipment be collocated on an existing tower or other existing structure (i.e. building, billboard, water tower)? Yes No
If yes, type of structure?

If existing tower, is it FCC-licensed? Yes No
If yes, no further information required.
If no, provide proposed specifications for new tower below.

4. Height: _____

Construction Type: (i.e. lattice, monopole): _____

Guy-wired? Yes No

No. bands: _____ Total no. wires: _____

Lighting (Security and Aviation): _____

If tower will be lighted or guy-wired, complete numbers 5-19. **If not, complete only items 19 and 20.**

5. Area of tower footprint in acres or square feet: _____

6. Length and width of access road: _____

7. General description of terrain (i.e. mountainous, rolling hills, flat to undulating and cover (e.g., forest, wetland, farmland, mixed suburban, urban, etc.):

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8. Predominate meteorological conditions (i.e. fog, low ceilings, wind conditions):
9. Soil type(s):
10. Habitat types and land use on and adjacent to the site, by acreage and percentage of total:
11. Dominate vegetative species in each habitat type:
12. Average diameter breast height of dominant tree species in forested areas:
13. Will construction at this site cause fragmentation of a larger block of habitat into two or more smaller blocks? If yes, describe: Yes No
14. Is evidence of bird roosts or rookeries present? If yes, describe: Yes No
15. Distance to nearest wetland area and coastline: _____
16. Distance to nearest telecommunications tower: _____
17. Potential for collocation of antennas on existing towers or other structures:
18. Have measures been incorporated for minimizing impacts to migratory birds? If yes, describe: Yes No
19. Has an evaluation been made to determine if the proposed facility may affect listed or proposed endangered or threatened species or their habitats? If yes, describe: Yes No

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20. Additional information:

Site photos are provided on the following pages.