

DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM¹
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): July 30, 2018**
- B. DISTRICT OFFICE, FILE NAME, AND NUMBER: CESAC-RD-NE, SAC-2018-00764 Northeast SC Veterans Home FAI-45-008**
- C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State: **South Carolina** County/parish/borough: **Florence County** City: **Florence**
Center coordinates of site (lat/long in degree decimal format): Lat. **34.1813** °, Long. **-79.7478** °
Universal Transverse Mercator:

Name of nearest waterbody: **Jeffries Creek**

Name of watershed or Hydrologic Unit Code (HUC): **03040201-09 (Jeffries Creek)**

- Check if map/diagram of review area is available upon request.
- Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date:
- Field Determination. Date(s): **July 18, 2018**

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There are **no** “*navigable waters of the U.S.*” within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are **no** “*waters of the U.S.*” within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

SECTION III: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Data sheets and site maps prepared by the JMT. This office concurs with the Aquatic Resource Map showing no jurisdictional resources, the referenced map is dated May 2018, and titled “**Figure 9: Property Boundary Map / FAI-45-008 Northeast SC Veterans Home / South Carolina Department of Mental Health / Florence, Florence County, South Carolina / Source: ESRI, USCB**” and dated May 2018.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- Office concurs with data sheets/delineation report.
- Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- U.S. Geological Survey Hydrologic Atlas: **Jefferies Creek (HUC 03040201-09)**
- USGS NHD data.
- USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: **Florence East Quad and USGS Topographic maps depict forested and non-forested uplands with varying elevation that slopes generally from east (highest) to west (lowest). The highest elevation, 130 ft., is located along a linear rise at ~ 34.1804, -79.7465, ~300 ft. south of a feature named “Trailer Park” located on an adjacent property. The lowest elevation, 100 ft., is located along the entire western border of the project site. Additionally, there is a solid blue line depicted on the Topographic map, indicating a drainage ditch or tributary, however the site visit did not confirm the presence of this feature; the lack of this ditch was confirmed using a LiDAR “Hillshade” curve on ArcGIS 10.5.1.**
- USDA Natural Resources Conservation Service Soil Survey. Citation: **The Florence County Soil Survey, Pg. 10, depicts four soil types within the project area. The soils types include two of which that are non-hydric: Lakeland sand with 0-2% slopes and Varina loamy fine sand with 2-6% slopes, and two soil types that are hydric: Norfolk loamy sand with slopes of 0-6% and Fuquay sand with 0-4% slopes. A soil sample was taken by JMC within the transition zone of Norfolk loamy sand to Varina loamy fine sand hydric soil indicators were not met.**
- National wetlands inventory map(s). Cite name: **The NWI maps depicts the majority of the property as upland residential (U11), upland crop/pasture land (U21), and upland planted pine (U42P). On the far south-central border of the project site the NWI depicts the land-type as palustrine forested broad-leaved wetlands that are seasonally flooded and ditched/diked (PFO1Bd),**

¹ This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.

however no wetlands were found on site during the July 18, 2018, site visit.

- State/Local wetland inventory map(s):
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): **Florence Aerial Index 11227:3; SCDNR 2006; Google Earth 2017;**
- or Other (Name & Date): **Site photos by JMT.**
- Previous determination(s). File no. and date of response letter:
- Applicable/supporting case law:
- Applicable/supporting scientific literature:
- Other information (please specify): LiDAR "Hillshade" data was assessed using ArcGIS 10.5.1

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND:

Florence East Quad and USGS Topographic maps depict forested and non-forested uplands with varying elevation that slopes generally from east (highest) to west (lowest). The highest elevation, 130 ft., is located along a linear rise at ~ 34.1804, -79.7465, ~300 ft. south of a feature named "Trailer Park" located on an adjacent property. The lowest elevation, 100 ft., is located along the entire western border of the project site. Additionally, there is a solid blue line depicted on the Topographic map, indicating a drainage ditch or tributary, however the site visit did not confirm the presence of this feature; the lack of this ditch was confirmed using a LiDAR "Hillshade" curve on ArcGIS 10.5.1. Approximately 175 west of the project boundary there is a low-laying depression of 300 – 400 ft. in width that contains a forested wetland with hydrologic connection to Jeffries Creek; additionally, this feature is depicted on the USGS Topographic maps as a solid blue line.

The Florence County Soil Survey, Pg. 10, depicts four soil types within the project area. The soils types include two of which that are non-hydric: Lakeland sand with 0-2% slopes and Varina loamy fine sand with 2-6% slopes, and two soil types that are hydric: Norfolk loamy sand with slopes of 0-6% and Fuquay sand with 0-4% slopes. A soil sample was taken by JMC within the transition zone of Norfolk loamy sand to Varina loamy fine sand hydric soil indicators were not met.

The NWI maps depicts the majority of the property as upland residential (U11), upland crop/pasture land (U21), and upland planted pine (U42P). On the far south-central border of the project site the NWI depicts the land-type as palustrine forested broad-leaved wetlands that are seasonally flooded and ditched/diked (PFO1Bd), however no wetlands were found on site during the July 18, 2018, site visit.

This site was assessed on a single basis form.