



ENVIRONMENTAL RESOURCES ASSESSMENT CHECKLIST

Pursuant to Alachua County Comprehensive Plan 2002, as amended, Conservation Open Space Element Policy 3.4.1, applications for land use change, zoning change, and development approval shall be required to submit an inventory of natural resource information. The inventory shall include site specific identification, analysis and mapping of each resource present on or adjacent to the site. The identification and analysis shall indicate information sources consulted.

Natural Resources Checklist:

Check "Yes" for each resource or resource characteristic identified and discuss and provide supporting material.

Check "N/A" for each resource or resource characteristic not present or otherwise relevant to the application.

- | | | | | |
|-----|-------------------------------------|-----|-------------------------------------|--|
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Surface Waters (ponds, lakes, streams, springs, etc.) |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Wetlands |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Surface Water or Wetland Buffers |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Floodplains (100-year) |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Special Area Study Resource Protection Areas (Cross Creek, Idylwild/Serenola, etc) |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Strategic Ecosystems (within or adjacent to mapped areas) |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Significant Habitat (biologically diverse natural areas) |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Listed Species/Listed Species Habitats (FNAI S1, S2, & S3; State or Federally E, T, SSC) |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Recreation/Conservation/Preservation Lands |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Significant Geological Features (caves, springs, sinkholes, etc.) |
| Yes | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> | High Aquifer Recharge Areas |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Wellfield Protection Areas |
| Yes | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> | Wells |
| Yes | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> | Soils |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Mineral Resource Areas |
| Yes | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> | Topography/Steep Slopes |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Historical and Paleontological Resources |
| Yes | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> | Hazardous Materials Storage Facilities |
| Yes | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> | Contamination (soil, surface water, ground water) |

SIGNED: Justin Fleischman (Verde Env. Co.) **PROJECT #** 22-139 **DATE:** 11/3/2022

For assistance please visit the Alachua County Environmental Protection Department (ACEPD) website at <http://www.alachuacounty.us/government/depts/epd/natural/devchecklist.aspx> or contact ACEPD at (352) 264-6800. (version 5/20/05)



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November 3, 2022

Clay Sweger, AICP, LEED AP
Principal/Director of Planning
EDA Consultants, Inc.
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South Tower, Suite 300
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csweger@edafl.com

Re: Listed Species Habitat Assessment and Invasive Plant Survey
Watson C&D Facility
20103 SW Archer Road, Archer, FL 32618
Alachua County Parcel No.: 05104-002-002
Verde Environmental -- Project No. 22-139

Dear Clay,

Verde Environmental Co. (Verde) completed a listed species habitat assessment on the above referenced property on October 25th, 2022. The property is located in southwest Alachua County along the south side of State Road 24 (Archer Rd.) adjacent to the intersection of NE 130th Ave. and Archer Rd. The facility is managed as an active landfill site and is surrounded by other landfill, resource recovery, and mining land uses. The property is fenced and accessible from Archer Road. Almost all of the property consists of active landfill, berms, swales, retention basins, and access/haul roads. A narrow strip of forest is located along the northern parcel boundary. No listed species, or their preferred habitats, were observed during this effort, and the majority of the site provides minimal value to local wildlife.

Methodology

This assessment was completed by systematically traversing the property on foot during a site inspection field visit on October 25th, 2022. Verde scientists noted the condition of onsite habitat, existing community structure, vegetative composition (including invasive species), and any direct or indirect observations (i.e., scat, tracks, burrows, nests, etc.) of wildlife, listed species and the extent of potential listed species habitats. Listed species included those designated U.S. Fish and Wildlife Service (FWS) as endangered, threatened, or under review for listing, and those designated by the Florida Fish and Wildlife Conservation Commission (FWC) as endangered, threatened, species of special concern, or candidates for listing. Invasive plant species include those listed by the Florida Invasive Species Council (FISP) as Category I and II listed species.

Invasive Species:

The majority of the property not actively managed as landfill or haul roads was densely vegetated by ruderal, non-native and invasive herbaceous plant species (Site Photographs 1 and 2). A narrow band of natural forest was observed along the northern boundary (Site Photograph 3), but it too included a moderate non-native plant component. The most prominent non-native plant species encountered onsite are listed below.

- Cogon grass (*Imperata cylindrica*) - Scattered patches along the northern property boundary,
- Guinea grass (*Urochloa maxima*) - Frequent, large patches throughout the property,
- Mexican petunia (*Ruellia simplex*) - Scattered individuals throughout the interior of the site,
- Tallow tree (*Triadica sebifera*) - Several individuals in the northern portion of the property and occasionally scattered throughout the site,
- Silk tree (*Albizia julibrissin*) - Multiple individuals in the north and northeast portions of the property,
- Paper mulberry (*Broussonetia papyrifera*) - Scattered individuals in the north and northeast portions of the property,
- Mile a minute vine (*Ipomoea cairica*) - Abundant throughout the property,
- Durban crow foot grass (*Dactyloctenium aegyptium*) - Abundant along haul roads, and
- Harry indigo (*Indigofera hirsuta*) - Abundant throughout the property.

Listed Wildlife

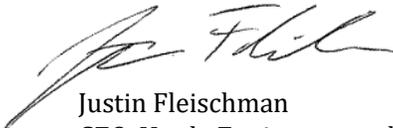
The only wildlife that we encountered on the property were eastern cottontail, mourning dove, and an unidentified warbler. Verde scientists also found signs of deer and armadillo. No listed species, or their preferred habitats, were encountered during the site visit. In general the property provides poor quality habitat for all wildlife due to a predominance of non-native and invasive plant species, active property management/maintenance, and existing land use on adjacent parcels. It is unlikely that listed wildlife species could utilize the habitats observed onsite.

Depressions, Swales and Stormwater Management

There are multiple depressions on site that are likely attributable to the earth-moving activities and/or stormwater management common on landfills. Most of these features were dry at the time of the site visit. One larger depression located in the southwestern part of the property (interior of the landfill area) has existed long enough to accumulate organic soils and wet vegetation. As these depressions are presumably artificial, additional permitting is not likely to be required, although Alachua County could decide to perform their own review of these depressions.

Thank you for this opportunity to provide professional consulting services. Please email me at justin@verdeenv.com if you have any questions or wish to discuss this project further.

Sincerely,



Justin Fleischman
CEO, Verde Environmental

Enclosures: Field Site Pictures
Property Boundary Map

Cc: Jim Bacon, Watson C&D



Site Photograph 1: Sparsely vegetated Active landfill in the interior of the property managed, typical.



Site Photograph 2: Densely vegetated interior portions of the property, typical.



Site Photograph 3: Narrow forested community along the northern boundary, typical.

WATSON C&D FACILITY
20103 W. ARCHER ROAD
ARCHER, FL 32618
ALACHUA CO. PARCEL:
05104-002-002
2020 TRUE COLOR AERIAL



LEGEND

 Property Boundary



DATA SOURCES: ALACHUA COUNTY, USGS/NHD, FL DOT, FDEP, FGDL, FDOR AND VERDE.
DATA ARE PROVIDED "AS IS". ACREAGES ARE APPROXIMATE AND GIS DERIVED.
SCALED FOR PRINTING ON 8.5X11" PAPER.

