



Water-Related Habitat Assessment Form

Environmental Services and Sustainability

A Water-Related Habitat Assessment Form is to be completed for each feature identified as potentially existing on the Official ESA Map. Additionally, any feature identified onsite that potentially has characteristics of a water-related habitat is to be identified, described and documented through this form. Features of substantially similar characteristics and location may be grouped together on one form. More information about water-related habitats and assessing this feature may be found on the [City of Denton webpage](#).

Property Address or Property ID:	R	Feature ID:	
<i>Property ID can be found through Denton Central Appraisal District</i>		<i>Provide a unique ID when multiple features are assessed</i>	

Type of Water-Related Habitat

Select the type. Complete assessment Section 1 and the appropriate section below.

- Isolated and Adjacent Wetland(s) (Section 2) Bottomland Hardwood Forest (Section 3)
 Spring(s) (Section 4) Deep Water Habitat (Section 5)

Assessment Conclusion:

Select one of the following.

- IS an ESA. Based upon this assessment the area is a Water-Related Habitat. I recommend the Official ESA Map be updated to confirm the ESA designation in this area.
 NOT an ESA. Based upon this assessment the area is not a Water-Related Habitat. I recommend the Official ESA Map be updated to remove the ESA designation from this area.

Assessment Comments:

Provide a summary of details found in the field to support the conclusion selected above.

Attachments Provided:

Required:	<input type="checkbox"/> overall site map <input type="checkbox"/> current map of feature <input type="checkbox"/> proposed map of feature <input type="checkbox"/> soils map <input type="checkbox"/> photographs representative of feature
Other:	

Field Assessor:

Name of Field Assessor:
 Affiliation of Assessor (Organization):
 Date the assessment was performed:

I certify that the information provided here is an accurate description of the area(s) assessed.

Environmental Services Representative:

I concur with the description of this ESA and conclusion of this assessment.

Section 1. General Information

General Land Use

Provide description of land hydrologically influencing feature. Select all that apply and provide more details as appropriate.

<input type="checkbox"/> Forest	Briefly describe:
<input type="checkbox"/> Agricultural:	<input type="checkbox"/> Pasture <input type="checkbox"/> Fallow <input type="checkbox"/> Crop, crop type:
<input type="checkbox"/> Residential:	<input type="checkbox"/> Low Intensity <input type="checkbox"/> High Intensity
<input type="checkbox"/> Commercial/Industrial	
<input type="checkbox"/> Recreational	
<input type="checkbox"/> Other:	

Soil Map Unit Name(s):

Provide soil classification types where feature occurs.

Section 2. Isolated and Adjacent Wetland(s)

Hydrology Indicators

Primary	Secondary
<input type="checkbox"/> inundated	<input type="checkbox"/> oxidized root channels in upper 12"
<input type="checkbox"/> soil saturated in upper 12"	<input type="checkbox"/> water-stained leaves
<input type="checkbox"/> water marks	<input type="checkbox"/> county soil survey
<input type="checkbox"/> drift lines	<input type="checkbox"/> fac-neutral test
<input type="checkbox"/> sediment deposits	
<input type="checkbox"/> evidence of drainage pattern	
Comments:	

Hydric Soil Indicators

<input type="checkbox"/> histosol	<input type="checkbox"/> concretions
<input type="checkbox"/> histic epipendon	<input type="checkbox"/> high surface organic content
<input type="checkbox"/> sulfidic odor	<input type="checkbox"/> organic streaking in sandy soils
<input type="checkbox"/> aquic moisture regime	<input type="checkbox"/> listed on local hydric soil list
<input type="checkbox"/> reducing conditions	<input type="checkbox"/> listed on national hydric soil list
<input type="checkbox"/> gleyed or low chroma colors	<input type="checkbox"/> other:
Comments:	

Brief Vegetation Survey:

List all vegetative species where feature occurs for species covering >10% of the feature area and provide hydrophytic vegetation indicator of the species.

Scientific name	Common name	% Cover	Indicator

Hydrophytic Vegetation Indicator: ____ : ____

(Number of plant species that are OBL, FACW and FAC to number of plant species that are FACU and UPL)

Section 3. Bottomland Hardwood Forest

List vegetative species covering >10% of the feature area.

Bottomland hardwood forests are deciduous forested wetlands and river bottoms with alluvial soil deposition. Periodic to constant wet conditions support certain species of trees such as pecan, Texas hickory, American elm, Chinkapin oak, Chittamwood, Green ash, Black walnut, Indigo bush, Texas persimmon, Shumard oak, sycamore, and Carolina buckthorn.

Old growth canopy trees

Scientific name	Common name	% Cover

Re-growth canopy trees

Scientific name	Common name	% Cover

Small trees / understory trees

Scientific name	Common name	% Cover

Understory vegetation – shrub / vine / forb / grass

Scientific name	Common name	% Cover

Forest floor conditions:

Select all that apply.

- Standing dead timber Fallen dead timber Detritus / leaf litter fungi

Comments:

Section 4. Spring(s)

List vegetative species covering >10% of the feature area.

Brief Vegetation Survey:

Scientific name	Common name	% Cover

Comments:

Section 5. Deep Water Habitat

Deep water habitats are permanently flooded lands lying below the deep water boundaries of wetlands. The boundary between wetland and deep water habitat in the riverine and lacustrine systems lies at a depth of 2 meters (6.6 feet) below low water; however, if emergent, shrubs or trees grow beyond this depth at any time, their deep water edge is the boundary.

Functions

<input type="checkbox"/> intercept sediment	<input type="checkbox"/> provide fish habitat
<input type="checkbox"/> intercept nutrients	<input type="checkbox"/> evidence of wildlife use
<input type="checkbox"/> intercept pesticides	<input type="checkbox"/> unique aesthetics

Impairments

<input type="checkbox"/> trash or litter / evidence of dumping	<input type="checkbox"/> livestock has access
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Vegetation in water and on bank

<input type="checkbox"/> submerged aquatic vegetation	<input type="checkbox"/> moist soil grasses and forbs
<input type="checkbox"/> floating-leaf	<input type="checkbox"/> tree cover (shade)
<input type="checkbox"/> emergent vegetation	

Brief Vegetation Survey:

List vegetative species covering >10% of the feature area.

Scientific name	Common name	% Cover

Comments: