

# SCDOT Jurisdictional Determination Request Procedures for submitting a JD for an SCDOT project



# Corps JD Request Form

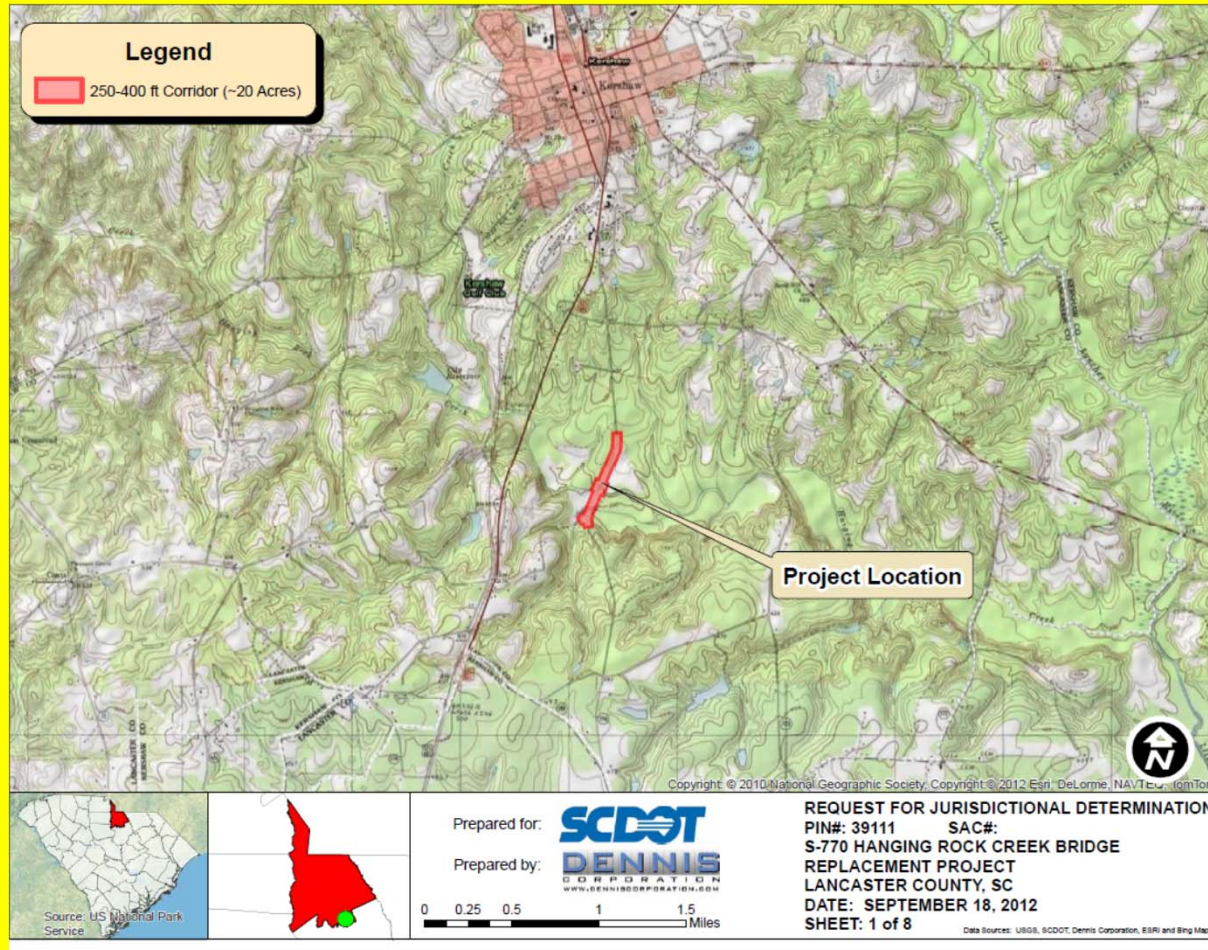
- Include cover letter with a description of the project area
- Cover letter should be prepared for signature by SCDOT permit manager and sent electronically in Word document
- The type of JD submittal is dependent on the project
- Usually it is approximate-preliminary for smaller projects
- Preliminary review time is quicker and it assumes all identified waters are jurisdictional
- For larger projects or sites with questionable features, an approximate-approved JD may be more appropriate
- JD submittal should include request form, supporting maps and figures, data sheets, and a photographic record of the delineated features
- Checklist available from SCDOT permit managers
- The following slides show some examples of maps submitted with JD request



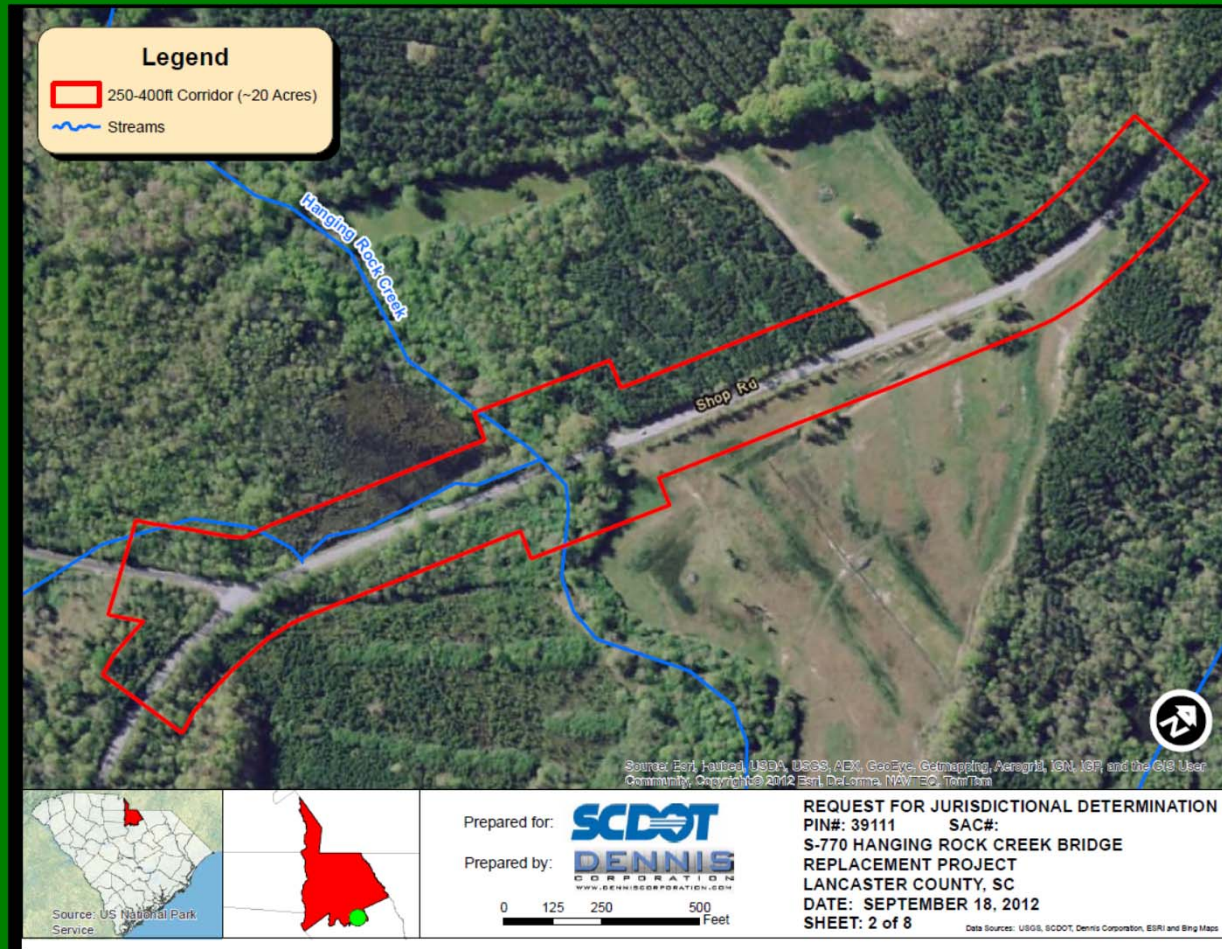
# Maps and Supporting Documentation

- May vary slightly depending on project and type of JD being requested
- A location map of the project area should be included
- A topographic map of the project area should also be included
- An aerial photograph with a depiction of delineated features and data points
- NWI and NRCS soil map
- Project study area should be shown on map
- Map should show acreage of project area, acreage of wetlands, linear footage and acreage of streams
- May include survey plat for accurate JD's
- The request should include chart with lat, long, cowardian class, and acreage
- Data Sheets including upland data point

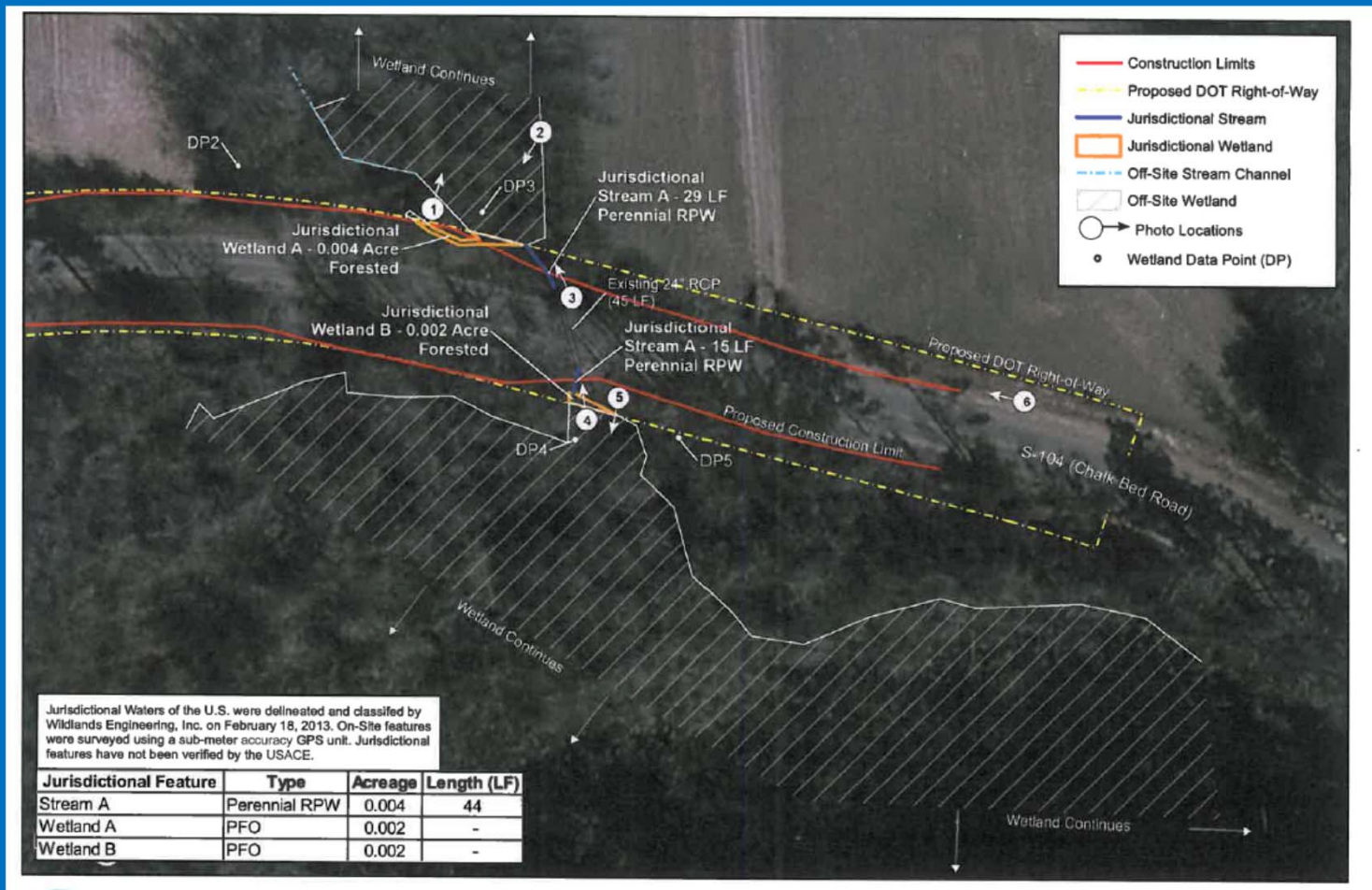
# Location Map



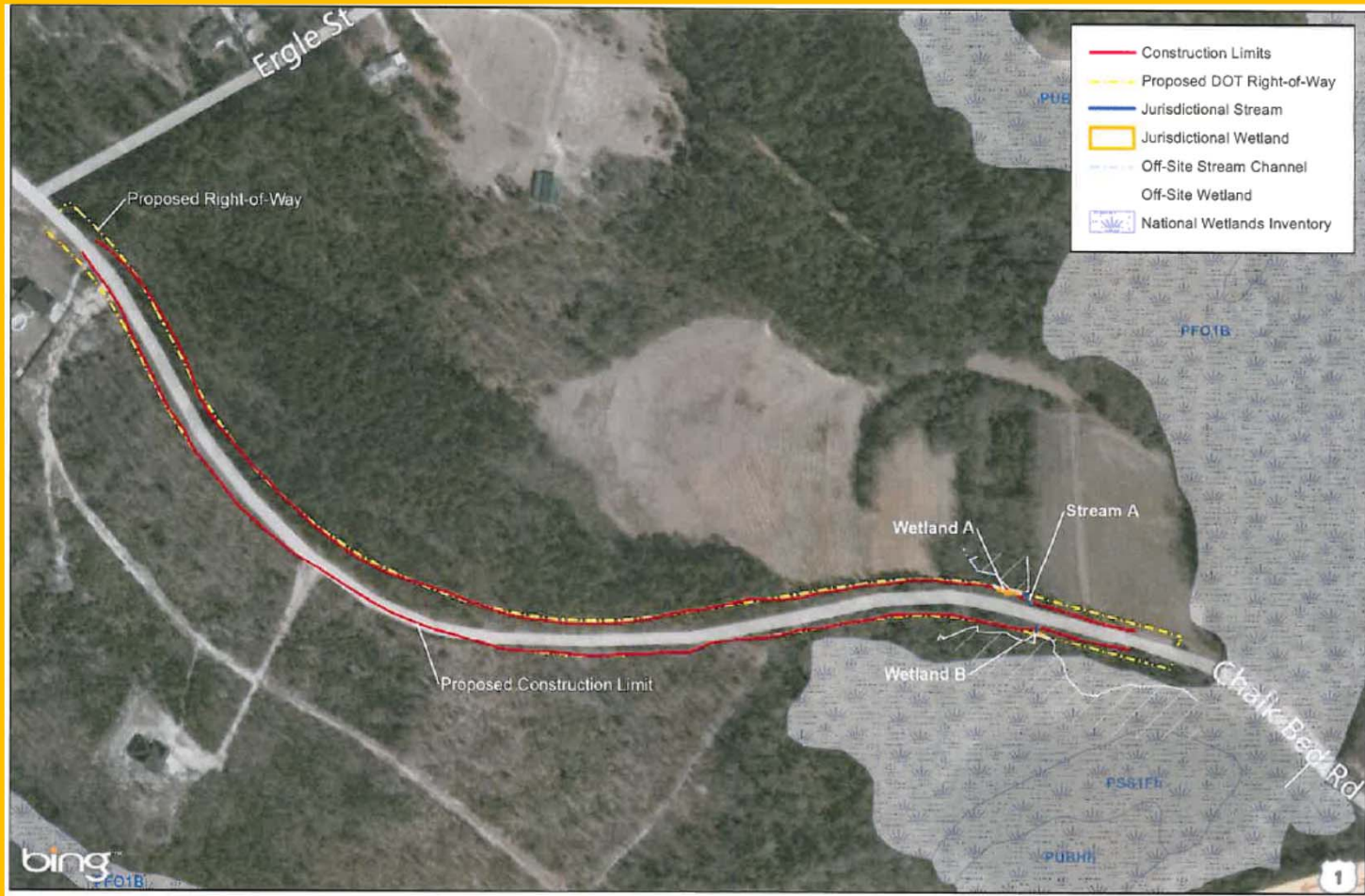
# Aerial photograph with streams



# Delineation Map with data points



# NWI Map







# Waters of the US classification table

Wetlands/Waters of the US

Site Number	Latitude	Longitude	Cowardin Class	Estimated amount of aquatic resource in review area	Class of aquatic resource
Ditch 1	33°78'92.26"N	78°99'82.80"W	RUB	1001 L. Ft. (0.105 ac.)	non-section 10 - non-wetland
Ditch 2	33°78'72.72"N	79°00'06.96"W	RUB	785 L. Ft. (0.088 ac.)	non-section 10 - non-wetland
Ditch 3	33°78'79.98"N	78°99'96.51"W	RUB	351 L. Ft. (0.040 ac.)	non-section 10 - non-wetland
Ditch 4	33°78'78.85"N	79°00'01.86"W	RUB	182 L. Ft. (0.059 ac.)	non-section 10 - non-wetland
Ditch 5	33°78'88.06"N	78°99'88.38"W	RUB	639 L. Ft. (0.072 ac.)	non-section 10 - non-wetland
Ditch 6	33°78'74.82"N	78°99'98.61"W	RUB	120 L. Ft. (0.047 ac.)	non-section 10 - non-wetland
Pond 1	33°78'90.50"N	78°99'88.25"W	PUB	0.016 ac.	non-section 10 - non-wetland
Pond 2	33°78'93.58"N	78°99'86.03"W	PUB	0.034 ac.	non-section 10 - non-wetland
Wetland A	33°78'89.25"N	78°99'83.19"W	PFO	0.047 ac.	non-section 10 - non-wetland

# Data Sheet

## WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: SCDOT S-1211 Intersection Improvements City/County: Horry Sampling Date: 11/19/2012  
 Applicant/Owner: SCDOT State: SC Sampling Point: DP 1 Wetland  
 Investigator(s): Jake Duncan, Pam Ferral Section, Township, Range: \_\_\_\_\_ Flag: A-3  
 Landform (hillslope, terrace, etc.): Flat Local Relief (concave, convex, none): None Slope (%): 0  
 Subregion (LRR or MRA): T Lat: 33 78' 89.37" Long: 78 99' 82.87" Datum: \_\_\_\_\_  
 Soil Map Unit Name: Leon NWI Classification: None  
 Are climatic/hydrologic conditions on the site typical for this time of year?  Yes  No (if no, explain in Remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present?  Yes  No  
 Are Vegetation , Soil , or Hydrology  naturally problematic? (if needed, explain any answers in Remarks.)

### SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a wetland?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks: Entire region is in a moderate to severe drought. Major ditches that run through the site have effectively drained the majority of the site. However, this small area has not been effectively drained.					

### HYDROLOGY

<b>Wetland Hydrology Indicators:</b>		<b>Secondary Indicators (minimum of two required)</b>	
<b>Primary Indicators (minimum of one is required; check all that apply):</b>			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Marl Deposits (B15) (LRR U)	<input type="checkbox"/> Drainage Patterns (B10)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquicard (D3)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Sphagnum moss (D8) (LRR T,U)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Thin Muck Surface (C7)		
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)			
<input type="checkbox"/> Water-Stained Leaves (B9)			

**Field Observations:**

Surface Water Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (inches): _____
Water Table Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (inches): _____
Saturation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Depth (inches): _____

(Includes capillary fringe)

Wetland Hydrology Present? Yes  No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:  
 The majority of the tract has had the hydrology significantly altered by a series of major ditches that run through and bisect it. This is evident by the analysis of the sandy soil on site, which has a thick dark A horizon, indicative to hydric soils, and it exhibits a high amount of organic coating (70% or greater) on the sand grains within the upper soil surface (top 6 inches). If wetland hydrology were absent then the sand grains would be expected to have less than 70% percent or more organic coatings. Therefore, this small area still maintains wetland hydrology.

# Common problems

- Upland data point left out or in wrong location
- Acreage of streams not shown on drawings
- Acreage of project site left off of drawings
- Non-jurisdictional features included on preliminary JD
- Maps not adequate to show hydrologic connectivity to other waters of the US
- Roadside ditches incorrectly identified
- Project study area not large enough to cover all proposed impact locations

See checklist for other requirements (available from SCDOT permit managers)

# Preliminary JD

- Preliminary JD (PJD) assumes that all waters identified are jurisdictional
- Non water features can be included on a PJD, but should be labeled appropriately
- All features on a PJD should be identified as they are (RPW, stream, wetland, etc.) but should not be labeled using the terms jurisdictional or non-jurisdictional
- If a site contains isolated wetlands or stormwater ponds, it may be better to request an approved JD

An aerial photograph of a wetland area. A winding, narrow waterway, likely a ditch or stream, flows through a landscape of green and brown vegetation. The water is a light, milky color. The surrounding land is a mix of green grasses and brown, possibly dried-out or marshy areas. In the distance, there are more trees and a faint outline of a building or structure under a hazy sky.

## Ditch Guidance from Corps (Darden Nov.15, 2012)

- Roadside ditches excavated wholly in uplands and that do not carry a relatively permanent flow of water are generally NOT waters of the US because they are not tributaries or they do not have a significant nexus to downstream TNWs.
- Ditches can be jurisdictional if they transport relatively permanent flow directly or indirectly to TNW or between other waters of the US
- Corps field staff will make case-by-case determination on ditches and similar features