

SOILS

Map Unit Name (Series and Phase): _____		Drainage Class: _____			
Taxonomy (Subgroup): _____		Field Observations Confirm Mapped Type? Yes No			
<u>Profile Description:</u>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils			
<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 Soils List			
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List			
<input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	(Circle)	
Wetland Hydrology Present?	Yes	No	(Circle)	
Hydric Soils Present?	Yes	No		Is this Sampling Point Within a Wetland? Yes No
Remarks:				

Approved by HQUSACE 3/92

DATA FORM 1
WETLAND DETERMINATION

Applicant Name: _____ Application Number: _____ Project Name: _____
 State: _____ County: _____ Legal Description: _____ Township: _____ Range: _____
 Date: _____ Plot No.: _____ Section: _____

Vegetation [list the three dominant species in each vegetation layer (5 if only 1 or 2 layers)]. Indicate species with observed morphological or known physiological adaptations with an asterisk.

<u>Species</u>	<u>Indicator Status</u>	<u>Species</u>	<u>Indicator Status</u>
<u>Trees</u>		<u>Herbs</u>	
1.		7.	
2.		8.	
3.		9.	
<u>Saplings/shrubs</u>		<u>Woody vines</u>	
4.		10.	
5.		11.	
6.		12.	

% of species that are OBL, FACW, and/or FAC: _____. Other indicators: _____.
 Hydrophytic vegetation: Yes ____ No ____ . Basis: _____.

Soil

Series and phase: _____ On hydric soils list? Yes ____; No ____.
 Mottled: Yes ____; No ____ . Mottle color: _____; Matrix color: _____.
 Gleyed: Yes ____ No ____ Other indicators: _____.
 Hydric soils: Yes ____ No ____; Basis: _____.

Hydrology

Inundated: Yes ____; No ____ . Depth of standing water: _____.
 Saturated soils: Yes ____; No ____ . Depth to saturated soil: _____.
 Other indicators: _____.
 Wetland hydrology: Yes ____; No ____ . Basis: _____.
 Atypical situation: Yes ____; No ____ .
Normal Circumstances? Yes ____ No ____ .
Wetland Determination: Wetland _____; Nonwetland _____.

Comments:

Determined by: _____

DATA FORM 2

VEGETATION-COMPREHENSIVE DETERMINATION

Applicant Name: _____ Application No.: _____ Project Name: _____
 Location: _____ Plot #: _____ Date: _____ Determined By: _____

VEGETATION LAYER

<u>TREES</u>	<u>BASAL AREA</u>	<u>TOTAL BASAL AREA</u>	<u>RANK</u>	<u>HERBS</u>	<u>MIDPOINT OF % COVER CLASS</u>	<u>RANK</u>
1				1		
2				2		
3				3		
4				4		
5				5		
6				6		
7				7		
8				8		
9				9		
10				10		

<u>SAPPLINGS/SHRUBS</u>	<u>MIDPOINT OF HEIGHT CLASS</u>	<u>TOTAL HEIGHT CLASS</u>	<u>RANK</u>	<u>WOODY VINES</u>	<u>NUMBER OF STEMS</u>	<u>RANK</u>
1				1		
2				2		
3				3		
4				4		
5				5		
6				6		
7				7		
8				8		
9				9		
10				10		

DATA FORM 3
ATYPICAL SITUATIONS

Applicant Name: _____ Application Number: _____ Project Name: _____
Location: _____ Plot Number: _____ Date: _____

A. VEGETATION:

1. Type of Alteration: _____

2. Effect on Vegetation: _____

3. Previous Vegetation: _____
(Attach documentation) _____
4. Hydrophytic Vegetation? Yes _____ No _____

B. SOILS:

1. Type of Alteration: _____

2. Effect on Soils: _____

3. Previous Soils: _____
(Attach documentation) _____
4. Hydric Soils? Yes _____ No _____

C. HYDROLOGY:

1. Type of Alteration: _____

2. Effect on Hydrology: _____

3. Previous Hydrology: _____
(Attach documentation) _____
4. Wetland Hydrology? Yes _____ No _____

Characterized By: _____

DATA FORM 1
WETLAND DETERMINATION

Applicant Name: John Doe Application Number: R-85-1421 Project Name: Zena Acricultural Land
 State: LA County: Choctaw Legal Description: _____ Township: 7N Range: 2E
 Date: 10/08/85 Plot No.: 1-1 Section: 32

Vegetation [list the three dominant species in each vegetation layer (5 if only 1 or 2 layers)]. Indicate species with observed morphological or known physiological adaptations with an asterisk.

<u>Species</u>	<u>Indicator Status</u>	<u>Species</u>	<u>Indicator Status</u>
<u>Trees</u>		<u>Herbs</u>	
1. <i>Quercus lyrata</i>	OBL	7. <i>Polygonum hydropiperoides</i>	OBL
2. <i>Carya aquatica</i>	OBL	8. <i>Boehmeria cylindrica</i>	FACW+
3. <i>Gleditsia aquatica</i>	OBL	9. <i>Brunnichia cirrhosa</i>	--
<u>Saplings/shurbs</u>		<u>Woody vines</u>	
4. <i>Forestiera acuminata</i>	OBL	10. <i>Toxicodendron radicans</i>	FAC
5. <i>Planera aquatica</i>	OBL	11. --	--
6. --	--	12. --	--

% of species that are OBL, FACW, and/or FAC: 100%. Other indicators: --.

Hydrophytic vegetation: Yes X No _____. Basis: 50% of dominants are OBL, FACW, and/or FAC on plant list.

Soil

Series and phase: Sharkey, frequently flooded On hydric soils list? Yes X; No _____.
 Mottled: Yes X; No _____. Mottle color: 5YR4/6; Matrix color: 10YR4/1.
 Gleyed: Yes ____ No X. Other indicators: _____.
 Hydric soils: Yes X No _____. Basis: On hydric soil list and matrix color.

Hydrology

Inundated: Yes ____; No X. Depth of standing water: _____.
 Saturated soils: Yes X; No _____. Depth to saturated soil: 6".
 Other indicators: Drift lines and sediment deposits present on trees.
 Wetland hydrology: Yes X; No _____. Basis: Saturated soils.
 Atypical situation: Yes ____; No X.

Normal Circumstances?: Yes X No ____.

Wetland Determination: Wetland X; Nonwetland _____.

Comments: No rain reported from area in previous two weeks.

Determined by: Zelda Schmill (Signed)

DATA FORM 2

VEGETATION-COMPREHENSIVE DETERMINATION

Applicant Name: John Doe Application No.: R-85-1421 Project Name: Zena Agricultural Land
 Location: LA (Choctaw Parish) Plot #: 1-1 Date: 10/08/85 Determined By: Zelda Schmall

VEGETATION LAYER

TREES	BASAL AREA (in ²)	TOTAL BASAL AREA	RANK	HERBS	MIDPOINT OF % COVER CLASS	RANK
1 <i>Quercus lyrata</i>	465	1,145	1	1 <i>Boehmeria cylindrica</i>	37.5	2
2 <i>Quercus lyrata</i>	680			2 <i>Polygonum hydropiperoides</i>	62.5	1
3 <i>Carya aquatica</i>	85	243	3	3 <i>Brunnichia ovata</i>	37.5	3
4 <i>Carya aquatica</i>	120			4 <i>Gleditsia aquatica</i> (seedling)	2.5	
5 <i>Carya aquatica</i>	38			5 <i>Eclipta alba</i>	2.5	
6 <i>Gleditsia aquatica</i>	235	253	2	6		
7 <i>Gleditsia aquatica</i>	18			7		
8 <i>Diospyros virginiana</i>	46	46		8		
9				9		
10				10		

SAPLINGS/SHRUBS	MIDPOINT OF HEIGHT CLASS	TOTAL HEIGHT CLASS	RANK	WOODY VINES	NUMBER OF STEMS	RANK
1 <i>Forestiera acuminata</i>	4.5	13.0	1	1 <i>Toricodendron radicans</i>	35	1
2 <i>Forestiera acuminata</i>	4.5			2 (only woody vine present)		
3 <i>Forestiera acuminata</i>	1.5			3		
4 <i>Forestiera acuminata</i>	2.5			4		
5 <i>Planera aquatica</i>	4.5	8.0	2	5		
6 <i>Planera aquatica</i>	3.5			6		
7 <i>Carya aquatica</i>	1.5	1.5		7		
8				8		
9				9		
10				10		

DATA FORM 3
ATYPICAL SITUATIONS

Applicant Name: Wetland Developers, Inc. Application Number: R-85-12 Project Name: Big Canal
Location: Joshua Co., MT Plot Number: 2 Date: 10/08/85

A. VEGETATION:

1. Type of Alteration: Vegetation totally removed or covered by placement of fill from canal (1984)
2. Effect on Vegetation: None remaining
3. Previous Vegetation: Carex nebrascensis - Juncus effusus freshwater (Attach documentation) marsh (based on contiguous plant communities and aerial photography predating fill)
4. Hydrophytic Vegetation? Yes No

B. SOILS:

1. Type of Alteration: Original soil covered by 4 feet of fill material excavated from canal
2. Effect on Soils: Original soil buried in 1984
3. Previous Soils: Original soil examined at 10 inches below (Attach documentation) original soil surface. Soil gleyed (color notation 5Y2/0)
4. Hydric Soils? Yes No

C. HYDROLOGY:

1. Type of Alteration: 4 feet of fill material placed on original surface
2. Effect on Hydrology: Area no longer is inundated
3. Previous Hydrology: Examination of color IR photography taken on 6/5/84 (Attach documentation) showed the area to be inundated. Gaging station data from gage 2 miles upstream indicated the area has been inundated for as much as 3 months of the growing season during 8 of the past 12 years
4. Wetland Hydrology? Yes No

Characterized By: Joe Zook