

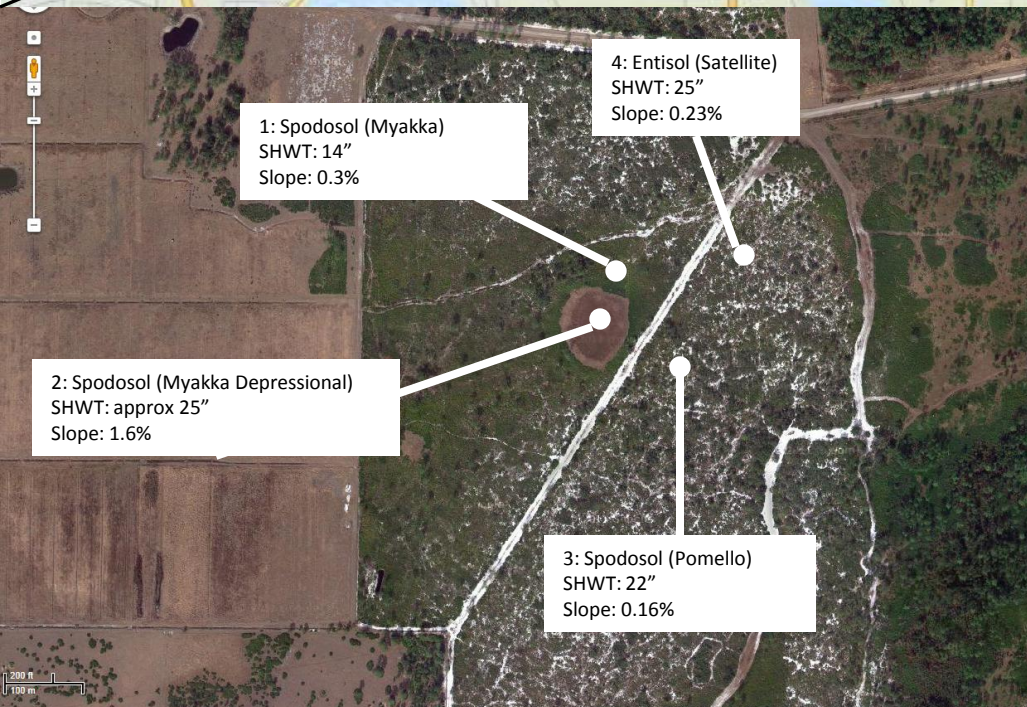
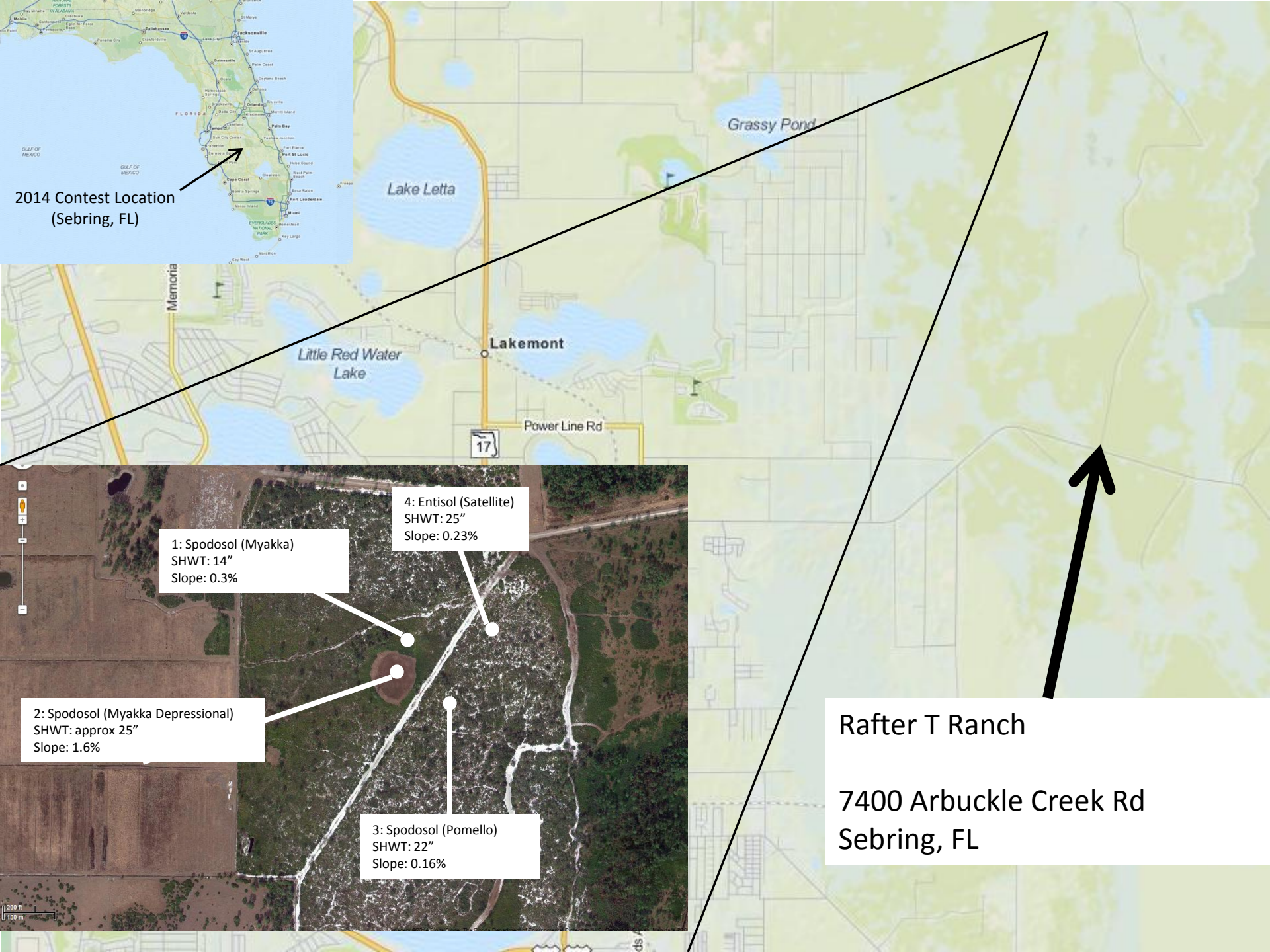
# 55th Annual Florida Land Judging Contest

A group of students wearing blue Florida FFA jackets are gathered around a soil pit. They are looking at the soil profile and taking notes. The jackets have "FLORIDA" and "LECANTO SR." printed on the back. One student in the foreground is wearing a tan baseball cap and a name tag that says "4 148" and "Monte Estrunk, Jr.". The background shows a dense field of green plants.

Highlands County  
Soil and Water Conservation District

March 28, 2014

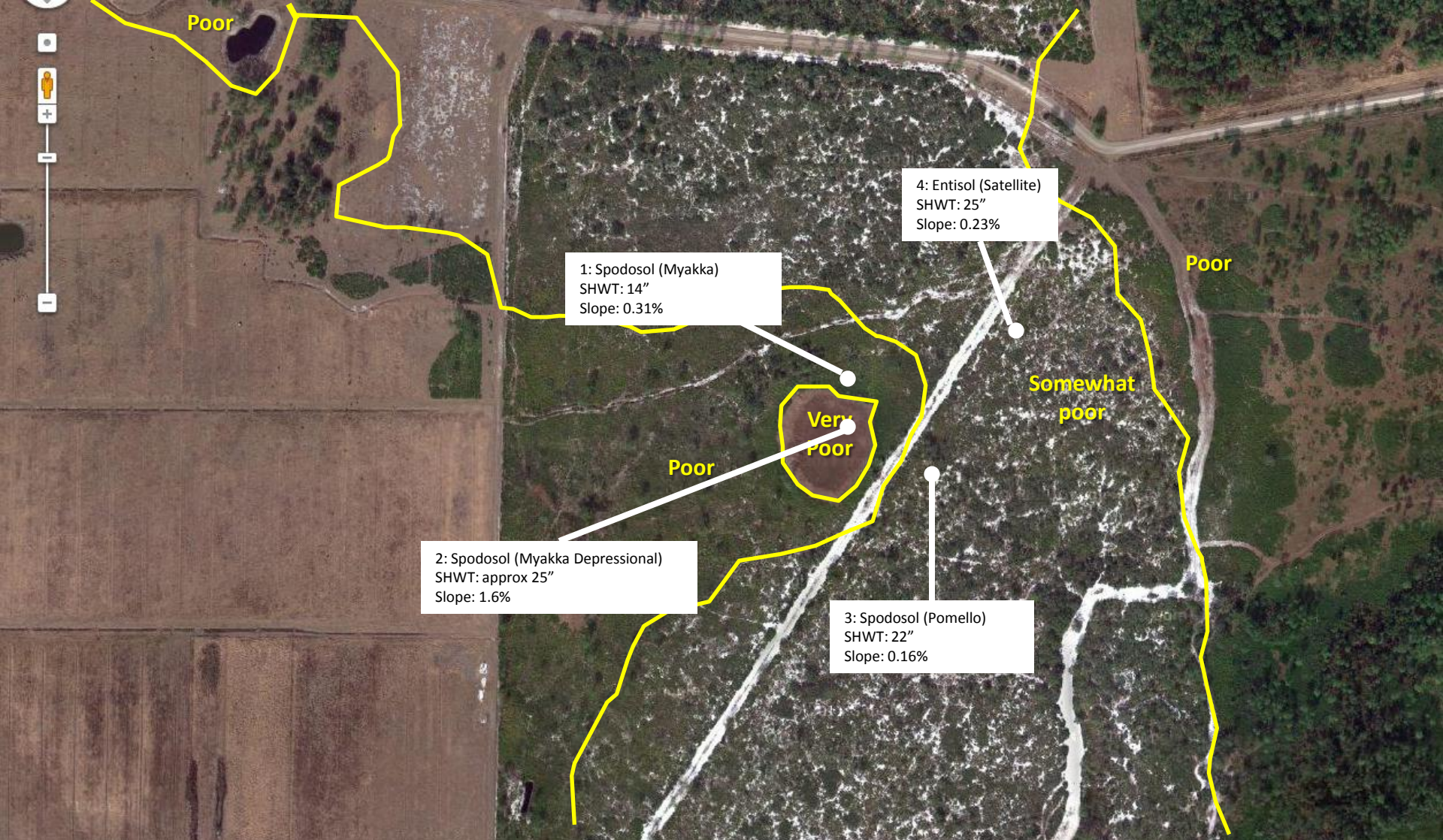




Rafter T Ranch

7400 Arbuckle Creek Rd  
Sebring, FL





Note, the entire property is very flat and mostly poorly drained. The contest was located on a small ridge which provided some drainage and therefore soil variability.



**FIELD**

**1**



Rise = 0.31'



Slope = 0.31%

Run = 100'

## Topsoil Erosion:

None. The existing topsoil was 3-6" thick and very difficult to discern. We declared that the original topsoil thickness was 3" so that no erosion would be calculated.

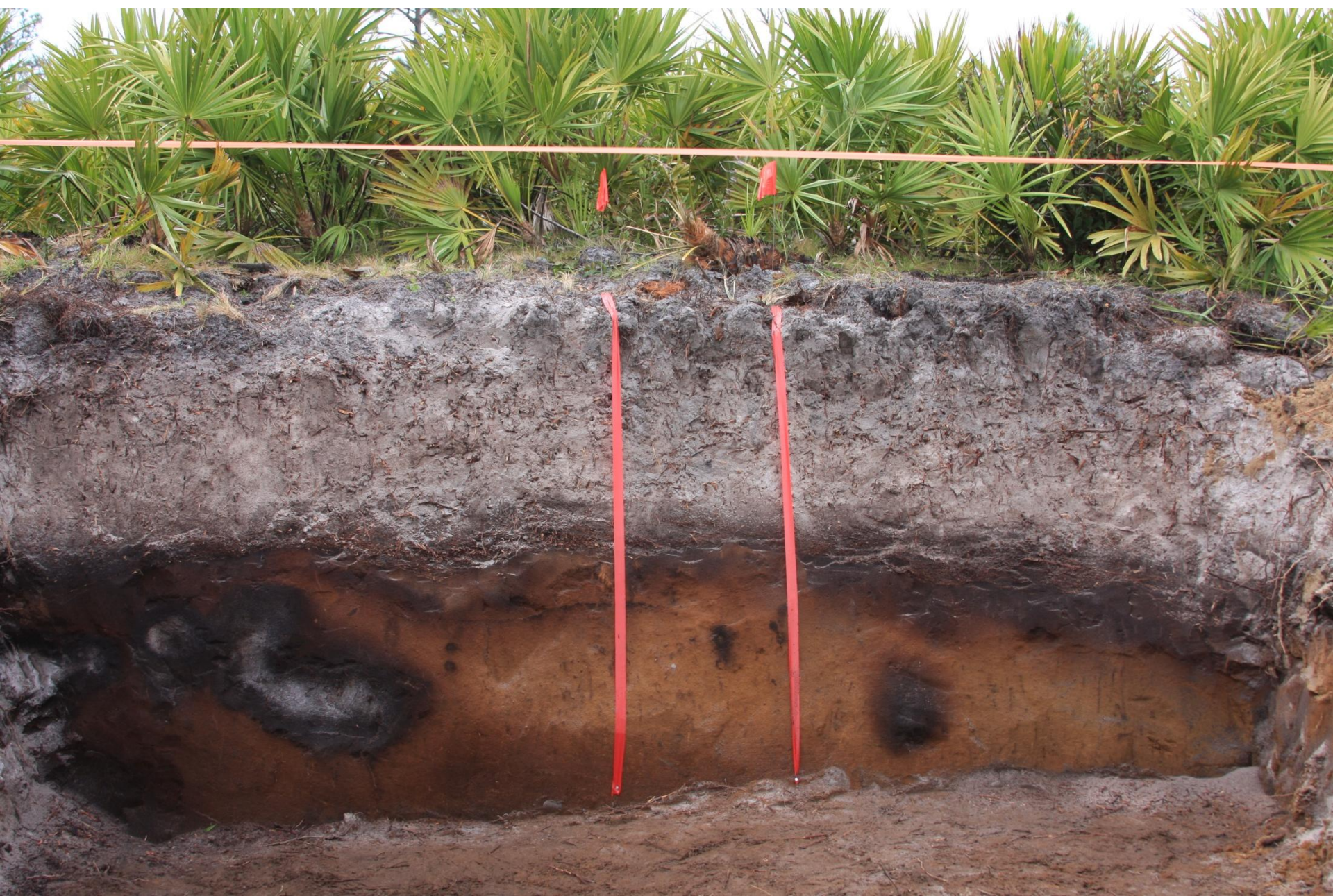
### CONDITIONS OF FIELD

FIELD NO. 1

1. THICKNESS OF SURFACE SOIL WAS: 3 INCHES
2. OTHER CONDITIONS ARE:  
WIND EROSION HAZARD EXISTS
3. PAY NO ATTENTION TO CURRENT PRACTICES ON THIS FIELD.
4. CONSIDER THE MOST INTENSIVE USE OF THE LAND.
5. THE CROP WILL BENEFIT FROM REDUCTION OF SOIL ACIDITY.
6. P SOIL TEST IS RATED AS: Medium
7. K SOIL TEST IS RATED AS: Low
8. THE FOLLOWING NUTRIENTS WILL BE DEFICIENT: N, Mn

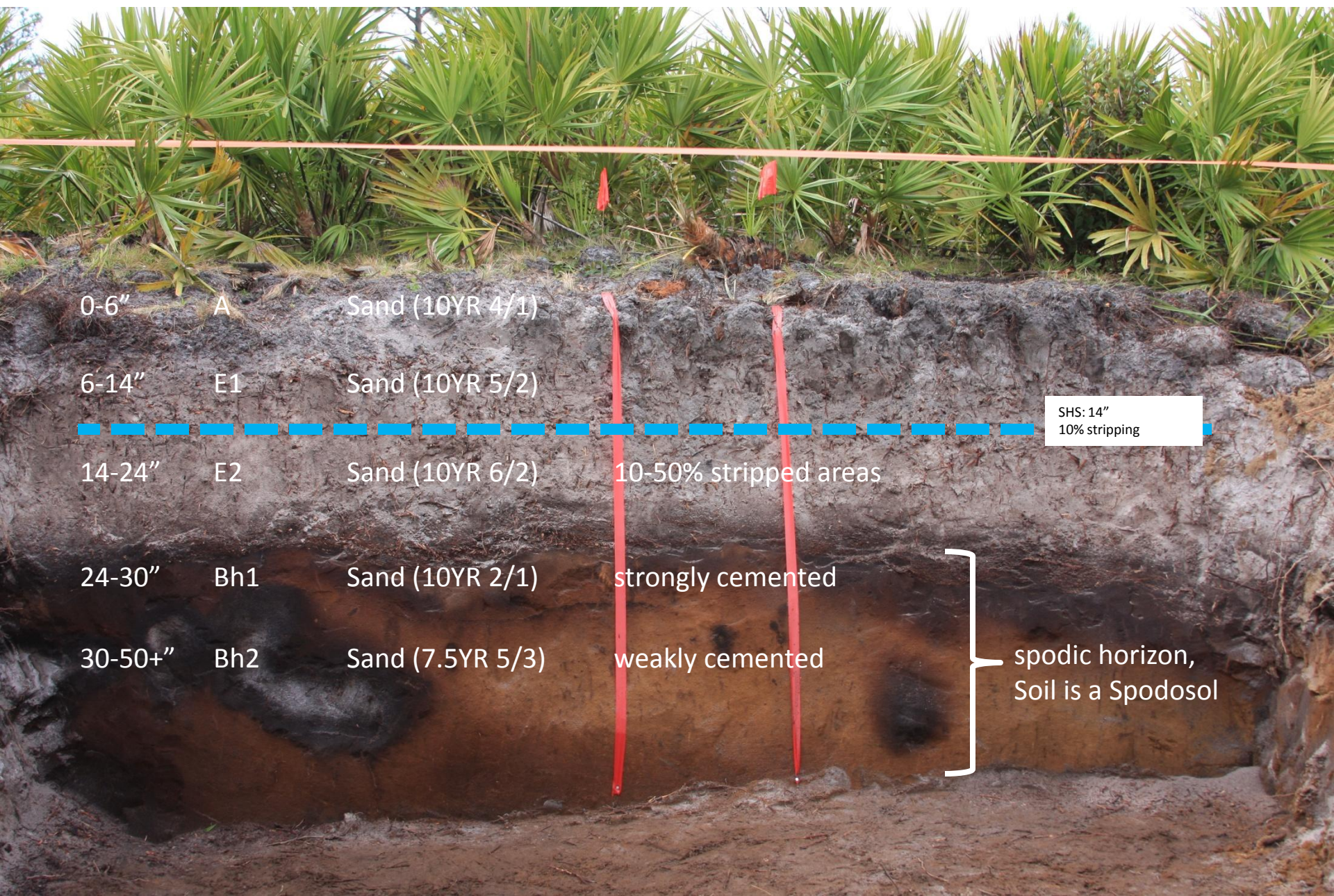


Field 1:





# Field 1: Poorly drained Spodosol (Myakka), 0.31% Slope







# Land Judging Scorecard

Form #2013-003

LAND CHARACTERISTIC - PART 1			
	FIELD 1	FIELD 2	FIELD 3
<b>SURFACE TEXTURE</b>			
Sandy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loamy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clayey	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>ORGANIC MATTER (SURFACE)</b>			
	1	2	3
High	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>THICKNESS OF ROOTING ZONE</b>			
	1	2	3
Thin	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Very Thick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>PERMEABILITY</b>			
	1	2	3
Rapid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slow	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SLOPE</b>			
	1	2	3
A. Nearly level	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. Gently sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. Moderately sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. Strongly sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. Steep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. Very steep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>EROSION - WIND &amp; WATER</b>			
	1	2	3
None to slight	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Very severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>DRAINAGE</b>			
	1	2	3
Poor	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Somewhat poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderately well or well	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excessive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Event \_\_\_\_\_

Chapter \_\_\_\_\_

Name \_\_\_\_\_

ID Number \_\_\_\_\_

FACTORS DETERMINING LAND CLASS			
	1	2	3
Texture	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic Matter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thickness of Rooting Zone	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permeability	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slope	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Erosion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drainage	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
LAND CAPABILITY CLASS			
	1	2	3
Class I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class II	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class IV	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SOIL ORDER			
	1	2	3
Alfisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aridisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Entisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Histosol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inceptisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mollisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oxisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spodosol	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ultisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vertisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

CONSERVATION PRACTICES - PART 2			
	FIELD 1	FIELD 2	FIELD 3
<b>VEGETATIVE</b>			
Use soil conserving and improving crops:			
1. Every year between cash crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Every other year	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Two years out of three	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Three years out of four	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Contour strip cropping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Manage crop residue	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Use sod-based rotation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Wind strip cropping	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Use field windbreaks	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. Control noxious plants	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. Establish recommended grasses and/or legumes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Manage pasture or range properly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Protect from wildfire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. Plant recommended trees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. Harvest trees selectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. Use for wildlife or recreational area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>MECHANICAL</b>			
	1	2	3
18. Terrace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Farm on the contour	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. Maintain terraces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21. Construct diversion terraces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22. Develop waterways	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. Install water control system	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
24. Control gullies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25. Subsoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>FERTILIZER AND SOIL AMENDMENTS</b>			
	1	2	3
27. Lime	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
28. Nitrogen	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
29. Phosphorus	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
30. Potassium	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
31. One micronutrient	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
32. Two or more micronutrients	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



**FIELD**  
**2**



# Topsoil Erosion:

3" original – 10" existing = 8" gained

No erosion

CONDITIONS OF FIELD NO. 2

1. THICKNESS OF SURFACE SOIL WAS: 3 INCHES

2. OTHER CONDITIONS ARE:

3. PAY NO ATTENTION TO CURRENT PRACTICES ON THIS FIELD.

4. CONSIDER THE MOST INTENSIVE USE OF THE LAND.

5. THE CROP WILL NOT BENEFIT FROM REDUCTION OF SOIL ACIDITY.

6. P SOIL TEST IS RATED AS: HIGH

7. K SOIL TEST IS RATED AS: HIGH

8. THE FOLLOWING NUTRIENTS WILL BE DEFICIENT:

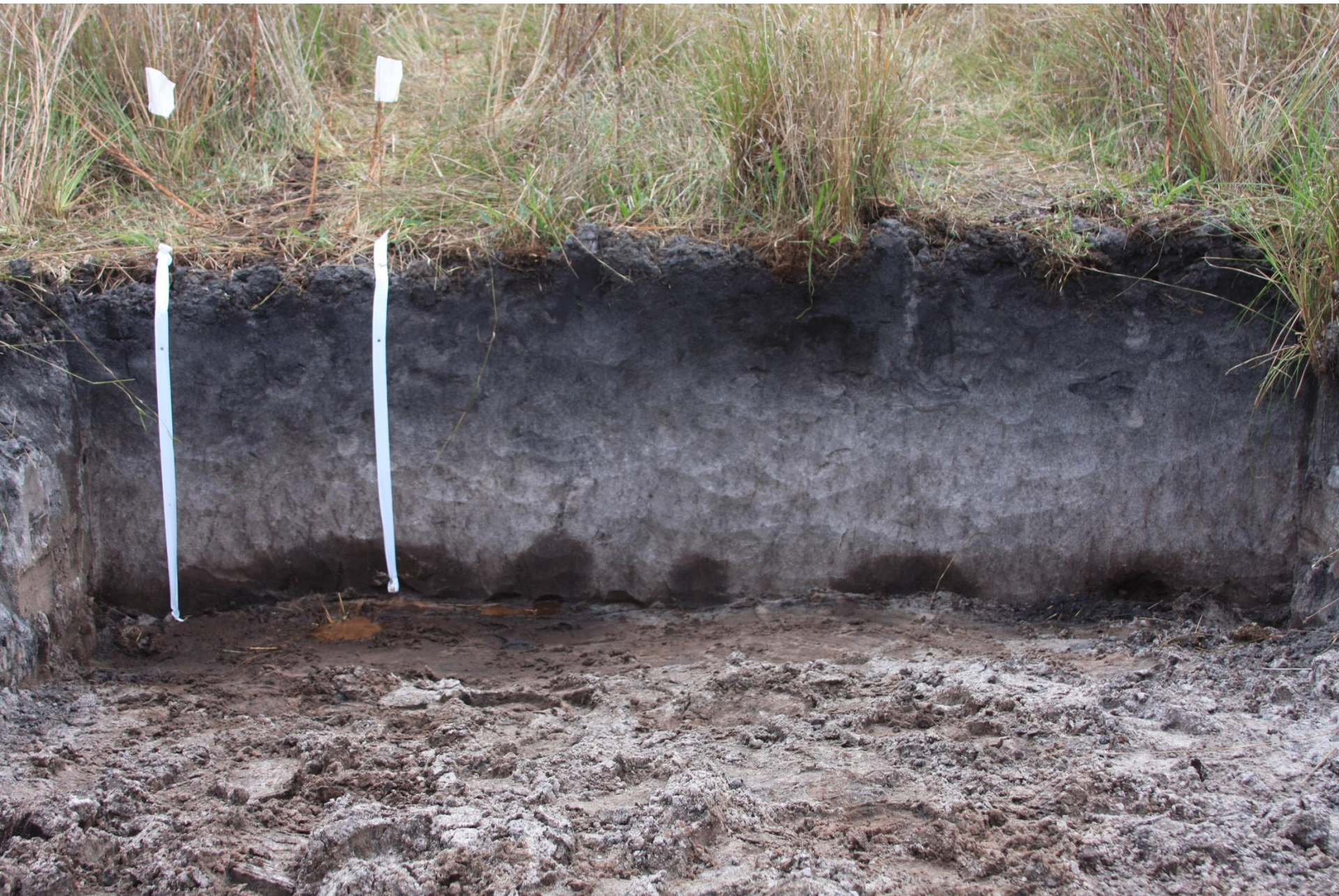
Run = 100'

Rise = 1.6'

Slope = 1.6%

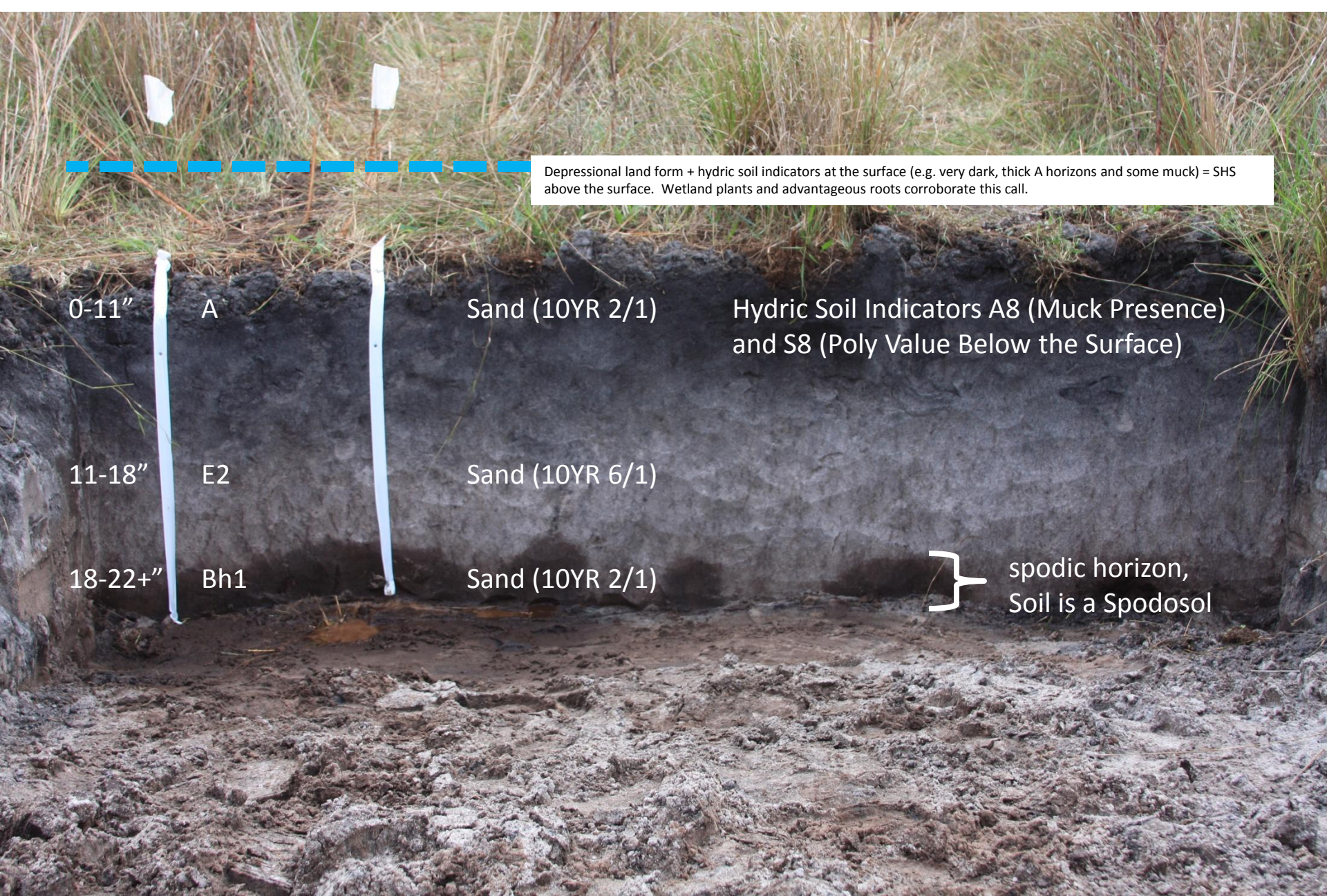


Field 2





# Field 2: Very Poorly drained Spodosol (Myakka depressional) 1.6% Slope



Depressional land form + hydric soil indicators at the surface (e.g. very dark, thick A horizons and some muck) = SHS above the surface. Wetland plants and advantageous roots corroborate this call.

0-11"

A

Sand (10YR 2/1)

Hydric Soil Indicators A8 (Muck Presence) and S8 (Poly Value Below the Surface)

11-18"

E2

Sand (10YR 6/1)

18-22+"

Bh1

Sand (10YR 2/1)



spodic horizon, Soil is a Spodosol





# Land Judging Scorecard

Form #2013-003

LAND CHARACTERISTIC - PART 1			
	FIELD 1	FIELD 2	FIELD 3
<b>SURFACE TEXTURE</b>			
Sandy	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Loamy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clayey	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>ORGANIC MATTER (SURFACE)</b>			
	1	2	3
High	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medium	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Low	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>THICKNESS OF ROOTING ZONE</b>			
	1	2	3
Thin	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Thick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Very Thick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>PERMEABILITY</b>			
	1	2	3
Rapid	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Moderate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SLOPE</b>			
	1	2	3
A. Nearly level	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
B. Gently sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. Moderately sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. Strongly sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. Steep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. Very steep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>EROSION - WIND &amp; WATER</b>			
	1	2	3
None to slight	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Moderate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Very severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>DRAINAGE</b>			
	1	2	3
Poor	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Somewhat poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderately well or well	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excessive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Event \_\_\_\_\_

Chapter \_\_\_\_\_

Name \_\_\_\_\_

ID Number \_\_\_\_\_

FACTORS DETERMINING LAND CLASS			
	1	2	3
Texture	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Organic Matter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thickness of Rooting Zone	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Permeability	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Slope	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Erosion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drainage	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
LAND CAPABILITY CLASS			
	1	2	3
Class I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class II	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class IV	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Class V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SOIL ORDER			
	1	2	3
Alfisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aridisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Entisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Histisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inceptisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mollisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oxisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spodosol	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ultisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vertisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

CONSERVATION PRACTICES - PART 2			
	FIELD 1	FIELD 2	FIELD 3
<b>VEGETATIVE</b>			
Use soil conserving and improving crops:			
1. Every year between cash crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Every other year	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Two years out of three	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Three years out of four	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
5. Contour strip cropping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Manage crop residue	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
7. Use sod-based rotation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
8. Wind strip cropping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Use field windbreaks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. Control noxious plants	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
11. Establish recommended grasses and/or legumes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Manage pasture or range properly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Protect from wildfire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. Plant recommended trees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. Harvest trees selectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. Use for wildlife or recreational area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>MECHANICAL</b>			
	1	2	3
18. Terrace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Farm on the contour	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. Maintain terraces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21. Construct diversion terraces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22. Develop waterways	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. Install water control system	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
24. Control gullies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25. Subsoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>FERTILIZER AND SOIL AMENDMENTS</b>			
	1	2	3
27. Lime	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
28. Nitrogen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
29. Phosphorus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
30. Potassium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
31. One micronutrient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
32. Two or more micronutrients	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



**FIELD**  
**3**



# Topsoil Erosion:

3" original – 6" existing = 3" gained

No erosion

## CONDITIONS OF FIELD

FIELD NO. 3

1. THICKNESS OF SURFACE SOIL WAS: 3 INCHES

2. OTHER CONDITIONS ARE:

3. PAY NO ATTENTION TO CURRENT PRACTICES ON THIS FIELD.

4. CONSIDER THE MOST INTENSIVE USE OF THE LAND.

5. THE CROP WILL BENEFIT FROM REDUCTION OF SOIL ACIDITY.

6. P SOIL TEST IS RATED AS: V. High

7. K SOIL TEST IS RATED AS: V. Low

8. THE FOLLOWING NUTRIENTS WILL BE DEFICIENT: Cu, B

Run = 100'

Rise = 0.2'

Slope = 0.2%

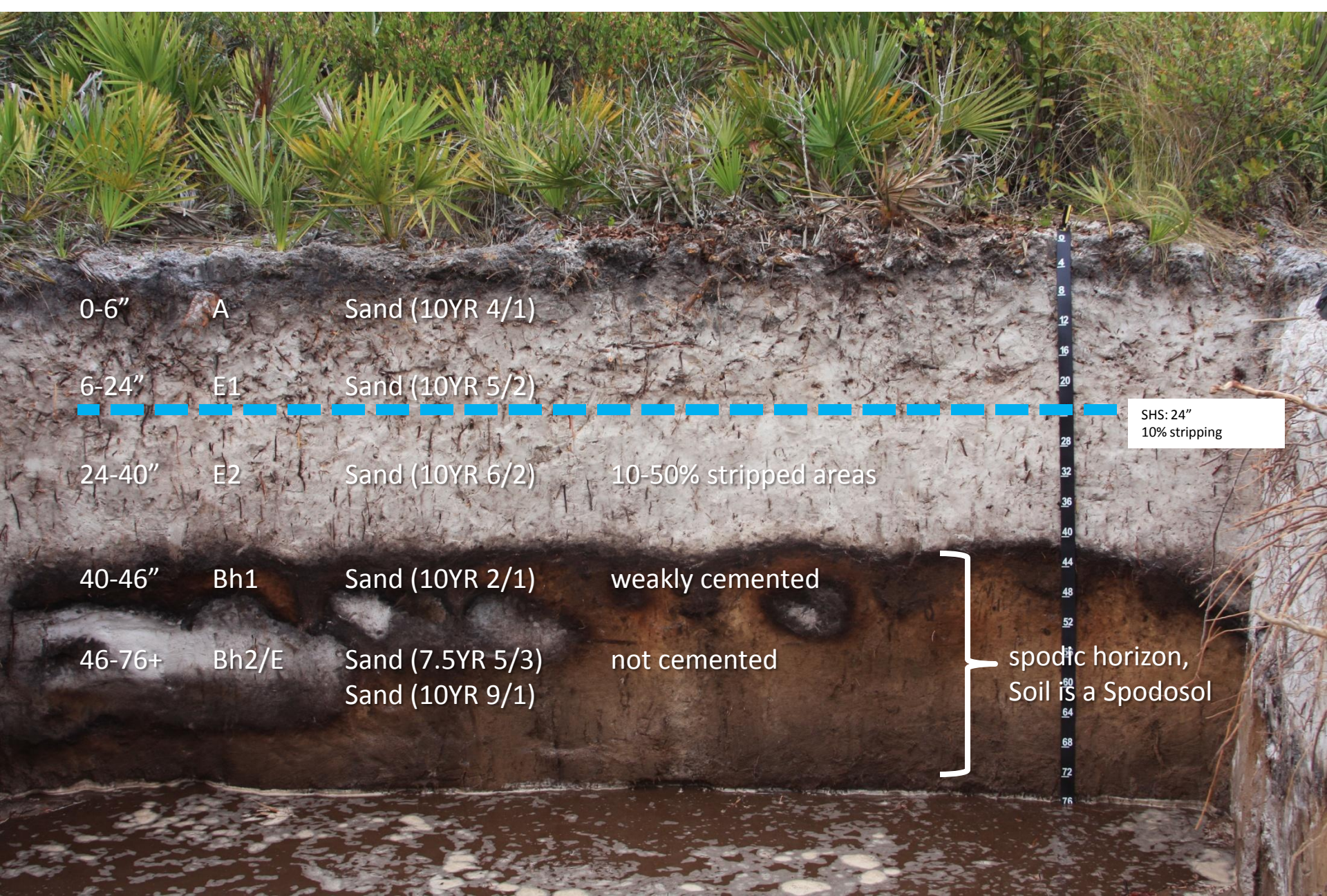


## Field 3:





Field 3: Somewhat poorly drained Spodosol (Pomello) slope = 0.16%







# Land Judging Scorecard

Form #2013-003

LAND CHARACTERISTIC - PART 1			
	FIELD 1	FIELD 2	FIELD 3
<b>SURFACE TEXTURE</b>			
Sandy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Loamy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clayey	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>ORGANIC MATTER (SURFACE)</b>			
	1	2	3
High	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<b>THICKNESS OF ROOTING ZONE</b>			
	1	2	3
Thin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thick	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Very Thick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>PERMEABILITY</b>			
	1	2	3
Rapid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderate	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Slow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SLOPE</b>			
	1	2	3
A. Nearly level	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
B. Gently sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. Moderately sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. Strongly sloping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. Steep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. Very steep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>EROSION - WIND &amp; WATER</b>			
	1	2	3
None to slight	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Moderate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Very severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>DRAINAGE</b>			
	1	2	3
Poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Somewhat poor	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Moderately well or well	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excessive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Event \_\_\_\_\_

Chapter \_\_\_\_\_

Name \_\_\_\_\_

ID Number \_\_\_\_\_

FACTORS DETERMINING LAND CLASS			
	1	2	3
Texture	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Organic Matter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thickness of Rooting Zone	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Permeability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slope	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Erosion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drainage	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
LAND CAPABILITY CLASS			
	1	2	3
Class I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class II	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Class III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class IV	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VI	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class VIII	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SOIL ORDER			
	1	2	3
Alfisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aridisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Entisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Histisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inceptisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mollisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oxisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spodosol	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Ultisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vertisol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

CONSERVATION PRACTICES - PART 2			
	FIELD 1	FIELD 2	FIELD 3
<b>VEGETATIVE</b>			
Use soil conserving and improving crops:			
1. Every year between cash crops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Every other year	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
3. Two years out of three	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Three years out of four	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Contour strip cropping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Manage crop residue	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
7. Use sod-based rotation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Wind strip cropping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Use field windbreaks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. Control noxious plants	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
11. Establish recommended grasses and/or legumes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Manage pasture or range properly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Protect from wildfire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. Plant recommended trees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. Harvest trees selectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. Use for wildlife or recreational area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>MECHANICAL</b>			
	1	2	3
18. Terrace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. Farm on the contour	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. Maintain terraces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21. Construct diversion terraces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22. Develop waterways	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. Install water control system	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
24. Control gullies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25. Subsoil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>FERTILIZER AND SOIL AMENDMENTS</b>			
	1	2	3
27. Lime	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
28. Nitrogen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
29. Phosphorus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
30. Potassium	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
31. One micronutrient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
32. Two or more micronutrients	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>



**FIELD**  
**4**



This is clueing you in to the fact that this landform is not as wet as the others. Gopher tortoises don't like poorly drained soils. It caves in their burrows.

## Topsoil Erosion:

6" original – 8" existing = 2" gained  
No erosion

**CONDITIONS OF FIELD**  
HOMESITE FIELD NO. 4 HOMESITE

**THICKNESS OF SURFACE SOIL WAS:** 6 INCHES

**OTHER CONDITIONS ARE:**  
SOIL DOES NOT FLOOD.  
OCCASIONAL GOPHER TORTOISE BURROWS ENCOUNTERED.

Run = 100'

Rise = 0.2'

Slope = 0.2%

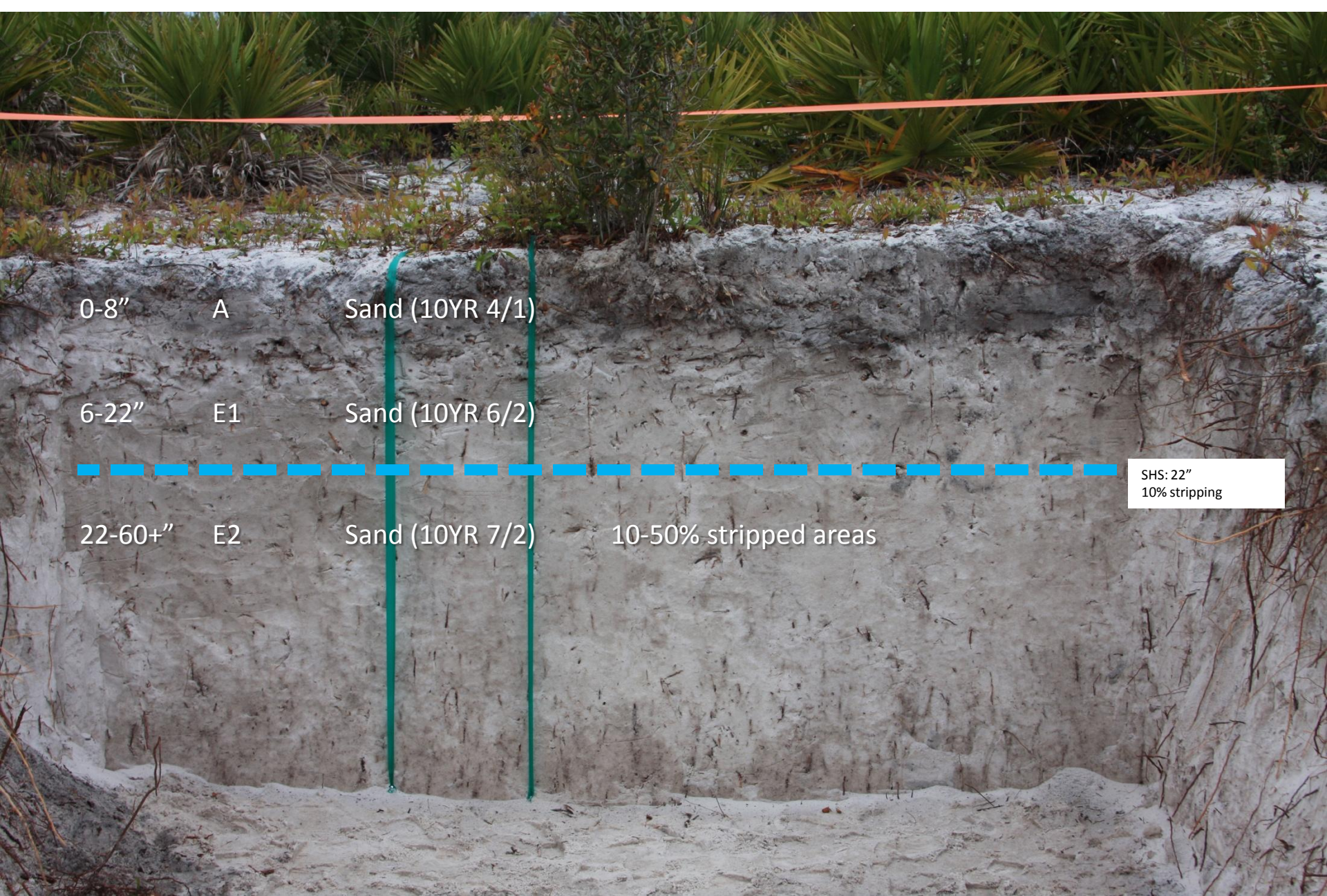


Homesite:





Homesite: Somewhat poorly drained Entisol (Satellite). Slope = 0.2%



0-8"

A

Sand (10YR 4/1)

6-22"

E1

Sand (10YR 6/2)

22-60+"

E2

Sand (10YR 7/2)

10-50% stripped areas

SHS: 22"  
10% stripping





# Homesite Evaluation

Form #2013-003

CHARACTERISTIC - PART 1		PLANNED USE - PART 2		
		FOUNDATIONS	LAWNS, SHRUBS, GARDENS	SEPTIC SYSTEMS
<b>SURFACE TEXTURE</b>	<b>DEGREE OF LIMITATION</b>			
Sandy <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loamy <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Clayey <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organic <input type="radio"/>	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>PERMEABILITY</b>	<b>DEGREE OF LIMITATION</b>			
Rapid <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Moderate <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Slow <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>DEPTH</b>	<b>DEGREE OF LIMITATION</b>			
Shallow <input type="radio"/>	Slight <input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Moderately deep <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deep <input checked="" type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SLOPE</b>	<b>DEGREE OF LIMITATION</b>			
Nearly level <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Gently sloping <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderately sloping <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Strongly sloping <input type="radio"/>	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steep <input type="radio"/>				
Very steep <input type="radio"/>				
<b>EROSION</b>	<b>DEGREE OF LIMITATION</b>			
None to slight <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Moderate <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Very severe <input type="radio"/>	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SHRINK-SWELL</b>	<b>DEGREE OF LIMITATION</b>			
Low <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Moderate <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>DRAINAGE</b>	<b>DEGREE OF LIMITATION</b>			
Poor <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Somewhat poor <input type="radio"/>	Moderate <input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderately well or well <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Excessive <input type="radio"/>	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>FLOODING</b>	<b>DEGREE OF LIMITATION</b>			
None <input checked="" type="radio"/>	Slight <input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Occasional <input type="radio"/>	Moderate <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frequent <input type="radio"/>	Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Very Severe <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Field 1  
\*1101001\*

Field 2  
\*1101001\*

Field 3  
\*1101001\*

Homesite  
\*1101001\*

Calculation Area

FINAL EVALUATION			
	FOUNDATIONS	LAWNS, SHRUBS, GARDENS	SEPTIC SYSTEMS
Slight	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderate	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Severe	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Very Severe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>