LAND JUDGING AND HOMESITE EVALUATION IN FLORIDA



What is it? Local and State contest about making wise landuse decisions Who is it? Middle and High School (both FFA and 4-H)

Who oversees it? State Land Judging Committee

Who guides it? UF IFAS (Herbert \rightarrow Brown \rightarrow Ellis)

More info? http://landjudging.ifas.ufl.edu (Edit: website changed to

http://landjudging.org in February 2013)



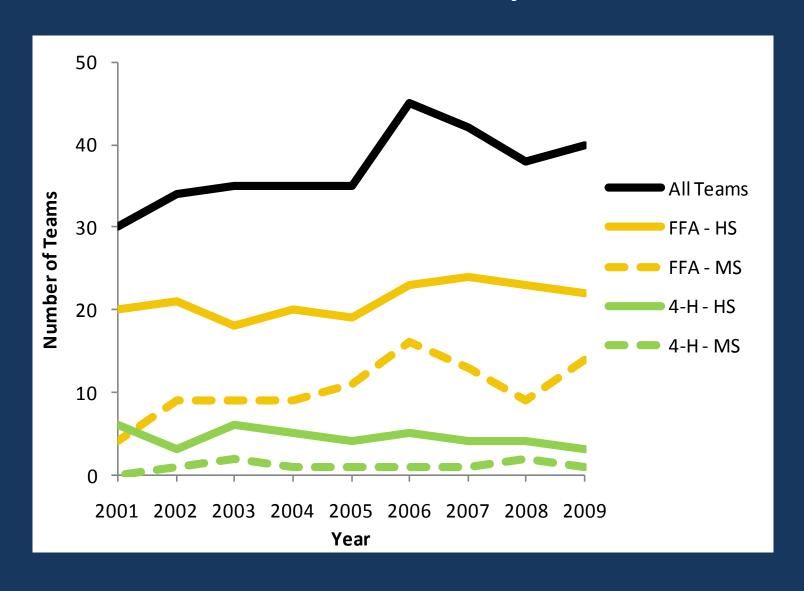
Who to contact? (see landjudging.org)

- State Land Judging Committee (oversees contest)
- Dr. Rex Ellis (Technical Lead)
- Greg Means (registration, logistics, etc.)
- Your local Soil and Water Conservation
 District and/or NRCS District
 Conservationist

Local Contest

- Must win your local contest to proceed to state.
- SWCD/NRCS hosts local contests
- If you have no local contest you would be the defacto winner of your contest but you must still participate in a local contest.
- Contact your SWCD and/or NRCS for guidance, others may be planning this too!
- Must be in good standing and official w/ FFA or 4-H.
- Ellis can help if you are confused.

Historical Participation



Manual

- Download the latest version of the landjudging manual.
- Ellis has aimed to revise this for a while. His plan is to do so for the 2015 contest and it would be completed before Fall 2014
- There are several topics that are covered in general detail, but we need more specifics.
 Trainings on these specifics are being created and uploaded to landjudging.org
- Example: determining depth to seasonal high water table.



Land Judging and Homesite Evaluation in Florida ¹

J.H. Herbert, Jr., R.B. Brown and E.A. Hanlon, Jr.²



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Key to Soil Orders in Florida 1

M.E. Collins²

This fact sheet is intended for anyone who has some understanding of Soil Taxonomy but who needs a simplified key to help distinguish one soil order from another. There are 12 soil orders: Andisols,

Gelosols, Entisols, Inceptisols, Alfi Spodosols, Histosols, Mollisols, Ar and Oxisols. Only seven of these s present in Florida. The soil orders Florida are the Aridisols, Vertisols Gelosols, and Oxisols. The distribu soil orders in Florida is shown in F Inceptisols, and Mollisols are not s Alfisols are widely interspersed thr and the aerial extent of Incentisols





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The Land Judging Score Card¹

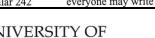
IFAS EXTENSION

J. H. Herbert, Jr., R. B. Brown, and E. A. Hanlon, Jr.²

Full explanations of Land Characteristics and Conservation Practices can be found in Circular 242

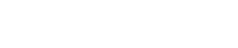
Land Judging and Homesite (http://edis.ifas.ufl.edu/SS1

How to Use the Lan Ca



IFAS EXTENSION

this announcement before the contest begins so that everyone may write in the practice or practices.



The Homesite Evaluation Score Card¹

J. H. Herbert, Jr., R. B. Brown and E. A. Hanlon, Jr.²

Full explanations of the terms used in the Homesite Evaluation Score Card can be found in Circular 242 Land Judging and Homesite Evaluation in Florida (http://edis.ifas.ufl.edu/SS181).

How to Use the Homesite Evaluation Score Card

6. The contestants should be given 15 to 20 minutes to fill in the answers on their score cards on each site.

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7. In order to insure that the contests are not lengthened too much by the addition of homesite evaluation, and that grading does not become too hundangama garranal alternativas ara naggible: for

Scorecards

- The following slides are dated because we have a new scorecard.
- Their content, however, is preserved in the new scorecard.
- Will update this presentation shortly.

LAND JUDGING SCORE CARD

Name	Field No				
Indicate your answer by an X in the \square					
LAND CHARACTERISTICS - PART ONE SURFACE TEXTURE Sandy	CONSERVATION PRACTICES - PART TWO VEGETATIVE Use soil conserving and improving crops: 1. Every year between cash crops. 2. Every other year. 3. Two years out of three. 4. Three years out of four. 5. Contour strip cropping. 6. Manage crop residue. 7. Use sod-based rotation. 8. Wind strip cropping. 9. Use field windbreaks. 10. Control noxious plants. 11. Establish recommended grasses and/or legumes. 12. Manage pasture or range properly. 13. Protect from wildfire. 14. Plant recommended trees. 15. Harvest trees selectively. 16. Use for wildlife or recreational area. 17. MECHANICAL 18. Terrace. 19. Farm on the contour. 20. Maintain terraces. 21. Construct diversion terraces. 22. Develop waterways. 23. Install water control system. 24. Control gullies. 25. Subsoil. 26. FERTILIZER & SOIL AMENDMENTS 27. Lime. 28. Nitrogen. 29. Phosphorus. 30. Potassium. 31. One micronutrient. 32. Two or more micronutrients.				
Circle one of the above SOIL ORDER	SCORE PART I				
Aridisol	SCORE PART II				
Entisol Spodosol Histosol Ultisol Inceptisol Vertisol	TOTAL SCORE				
Florida Cooperative Extension Service/Institute of Food and Agricultural Sciences/University of Florida, Gainesville					

HOMESITE EVALUATION SCORE CARD

Name Site No. Indicate your answer by an X in the □						
		PART TWO			RETATION	
PART ONE						
CHARACTERISTIC		Degree of Limitation	Foundations	Lawns, Shrubs, Gardens	Septic Systems	
SURFACE TEXTURE: Sandy Loamy Clayey (Organic)	0000	Slight Moderate Severe V. Severe				
PERMEABILITY: Rapid Moderate Slow		Slight Moderate Severe V. Severe		0 0		
DEPTH: Shallow Moderately deep Deep		Slight Moderate Severe V. Severe				
SLOPE: Nearly level Gently sloping Moderately sloping Strongly sloping Steep Very steep	00000	Slight Moderate Severe V. Severe	0	0	0 0 0	
EROSION: None to slight Moderate Severe Very severe		Slight Moderate Severe V. Severe	0		0	
SHRINK · SWELL: Low Moderate High		Slight Moderate Severe V. Severe		0	_ _ _	
DRAINAGE: Poor Somewhat poor Moderately well or well Excessive	00 00	Slight Moderate Severe V. Severe		0	0	
FLOODING: None Occasional Frequent		Slight Moderate Severe V. Severe				
FINAL EVALUATION:		Slight Moderate Severe V. Severe			0	
Florida Cooperative Extension Service Institute of Food and Agricultural Sciences University of Florida, Gainesville			SCORE PART ONE SCORE PART TWO TOTAL SCORE			





SUB SOI

LAND JUDGING SCORE CARD Name Field No. Indicate your answer by an X in the LAND CHARACTERISTICS CONSERVATION PRACTICES - PART TWO SURFACE TEXTURE Use soil conserving and improving crops. 1. Every year between cash crops. 2. Every other year. 3. Two years out of three. ORGANIC MATTER (SURFACE SOIL) 4. Three years out of four. Medium..... 5. Contour strip cropping. 6. Manage crop residue. THICKNESS OF ROOTING ZONE 7. Use sod-based rotation. 8. Wind strip cropping. 9. Use field windbreaks. ☐ 10. Control noxious plants. MOVEMENT OF AIR AND WATER IN THE ☐ 11. Establish recommended grasses and/or SOIL (PERMEABILITY) leaumes. ☐ 12. Manage pasture or range properly. ☐ 13. Protect from wildfire. □ 14. Plant recommended trees. SLOPE ☐ 15. Harvest trees selectively. ☐ 16. Use for wildlife or recreational area. C Moderately sloping. MECHANICAL D Strongly sloping □ 18. Terrace. ☐ 19. Farm on the contour. **EROSION - WIND AND WATER** □ 20. Maintain terraces. □ 21. Construct diversion terraces. None to slight..... Moderate..... □ 22. Develop waterways. 23. Install water control system. ☐ 24. Control gullies. DRAINAGE □ 25. Subsoil. FERTILIZER & SOIL AMENDMENTS 27. Lime. FACTORS DETERMINING LAND CLASS □ 28. Nitrogen. 29. Phosphorus. 30. Potassium. Thickness of rooting zone 31. One micronutrient. Permeability...... ☐ 32. Two or more micronutrients. LAND CAPABILITY CLASS I II III IV V VI VII VIII Circle one of the above SOIL ORDER SCORE PART II...... Alfisol. Mollisol..... Aridisol Oxisol......

Soil Texture:

How do you determine texture? Feel the soil. Practice with known samples.

Slope:

How do you determine slope? Walk many slopes and calibrate yourself.

Water Table:

How do you determine depth to seasonal high water table? Redox concentrations in sand, redox depletions in loam/clay

Spodosol

Ultisol.......□

Vertisol

Entisol

Histosol.....□

Inceptisol.

TOTAL SCORE

LAND JUDGING SCORE CARD

Name	Field No				
Indicate your answer by an X in the \square					
LAND CHARACTERISTICS - PART ONE SURFACE TEXTURE Sandy	CONSERVATION PRACTICES - PART TWO VEGETATIVE Use soil conserving and improving crops: 1. Every year between cash crops. 2. Every other year. 3. Two years out of three. 4. Three years out of four. 5. Contour strip cropping. 6. Manage crop residue. 7. Use sod-based rotation. 8. Wind strip cropping. 9. Use field windbreaks. 10. Control noxious plants. 11. Establish recommended grasses and/or legumes. 12. Manage pasture or range properly. 13. Protect from wildfire. 14. Plant recommended trees. 15. Harvest trees selectively. 16. Use for wildlife or recreational area. 17				
Thickness of rooting zone	30. Potassium.31. One micronutrient.				
Slope	☐ 32. Two or more micronutrients.☐ 33				
Drainage					
Circle one of the above SOIL ORDER	SCORE PART I				
Alfisol Mollisol	SCORE PART II				
Entisol Spodosol Histosol Ultisol Inceptisol Vertisol	TOTAL SCORE				

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Everything else is memorization and execution.

