

# Rangeland Inventory Worksheet

FL-ECS-4  
4/12

Indicator	-----Score-----				
	1	2	3	4	5
<b>1) Ecological Site</b>	<b>List mapped Ecological Site using County Soil Survey of Web Soil Survey</b>				
<b>2) Primary Native Forage</b>	<b>List primary grazing forages and there % coverage (e.g., maidencane, creeping bluestem)</b>				
<b>3) Secondary Forage</b>	<b>List secondary grazing (native or introduced) forages and there % coverage (e.g., wiregrass, bushy bluestem, carpetgrass)</b>				
<b>4) Forbs / Legumes (Native)</b>	<b>Amount (%) composition of Forbs and Legumes species in forage canopy</b>				
	None Present	1-5%	6-10%	11-15%	Greater than 15%
<b>5) Bare Ground</b>	<b>Amount (%) of exposed mineral soil not protected by foliar cover or plant duff (some sites may have high % bare ground, document amount (%) above acceptable level, e.g. Sand Scrub)<sup>1</sup></b>				
	Greater than 50%	31-50%	21-30%	10- 20%	Less than 10%
<b>6) Weedy Invasive Plants</b>	<b>Amount (%) of foliar cover of invasive herbaceous plant species (List all invasive plant species observed on each range site)</b>				
	Greater than 45%	31 – 45%	16 – 30%	5 – 15%	Less than 5%
<b>7) Woody Plant Coverage</b>	<b>Amount (%) of canopy covered by woody (non-invasive) plant species above recommended threshold (Refer to <i>Planning and Implementation Guidance Information for Brush Management</i> supplement for guidance on thresholds)</b>				
	Greater than 45%	31 – 45%	16 – 30%	5 – 15%	Less than 5%
<b>8) Woody Invasive Plants</b>	<b>Amount (%) of canopy covered by woody invasive plant species (List all invasive plant species observed on each range site)</b>				
	Greater than 45%	31 – 45%	16 – 30%	5 – 15%	Less than 5%
<b>9) Intensity of Grazing</b>	<b>Amount (%) of primary native forage plant species grazed below recommended stubble heights</b>				
	Greater than 80%	51-80%	26-50%	10-25%	Less than 10%
<b>10) Prescribed Burning</b>	<b>Time since last burn either natural or prescribed on each range site</b>				
	No evidence	Greater than 5 years	3-5 years	1-2 years	Less than 1 year
<b>11) Concentrated Livestock Area</b>	<b>Presence and extent of areas where animal impact is concentrated resulting in denuded areas or well-worn trails</b>				
	Heavy CLA's and trails comprising of 31% or more of pasture	Moderate CLA's and trails comprising 15 - 30% of pasture	Isolated CLA's and small trails less than 15% of pasture	No CLA present and <b>no</b> heavy use treatments installed	No CLA present and heavy use avoidance treatments installed

<sup>1</sup> Average % Bare ground for rangeland sites:

- 5 – 10% Bare ground – South Florida Flatwoods, Fresh Water Marsh, Slough, Cutthroat Seeps
- 20 – 30% Bare ground – Longleaf Pine – Turkey Oak, Upland & Wetland Hardwood Hammock
- 40 – 60% Bare ground – Sand Scrub

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Farm or Ranch Name: \_\_\_\_\_ Technician: \_\_\_\_\_

Farm & Tract #: \_\_\_\_\_ Field Office: \_\_\_\_\_ Date: \_\_\_\_\_

Question	-----Score-----	-----Trend <sup>1</sup> -----		
<b>1</b> Ecological Site	Site Name: _____	Notes: _____		Confidence ___ (1-10)
<b>2</b> Primary Native Forage	1 Plant Species _____%	2 Plant Species _____%	3 Plant Species _____%	
<b>3</b> Secondary Forage	1 Plant Species _____%	2 Plant Species _____%	3 Plant Species _____%	
<b>4</b> Forbs/Legumes (Native)		-5<-----0----->+5		
<b>5</b> Bare Ground		-5<-----0----->+5		
<b>6</b> Weedy Invasive Plants		-5<-----0----->+5		
<b>7</b> Woody Plant Coverage		-5<-----0----->+5		
<b>8</b> Woody Invasive Plants		-5<-----0----->+5		
<b>9</b> Intensity of Grazing		-5<-----0----->+5		
<b>10</b> Prescribed Burning		-5<-----0----->+5		
<b>11</b> Concentrated Livestock Area		-5<-----0----->+5		
<b>Total</b>		<b>Overall Health Trend</b> -5<-----0----->+5		

<sup>1</sup> Trend: For indicators 4-11 provide an X along the scale from -5 (significantly degrading) to +5 (significantly improving) that best characterizes the rangeland. 0 indicates a static or no apparent trend.

**Weedy Invasive Plant Species:**

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**Woody Invasive Plant Species:**

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Question	<b>Suggested Conservation Practices for Resource Concerns</b>
<b>4 Forbs/Legumes (Native)</b>	<b>Fields scoring 2 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Prescribed Grazing (528):</b> Exclude cattle grazing during spring months (March – May) to allow forbs/legumes to flower before grazing is returned.
	<b>Prescribed Burning (338):</b> Use prescribed burning to remove duff layer and knock back woody vegetation to an “early succession” phase
	<b>Brush Management (314):</b> Plan brush management to control woody species and allow for an “early succession” habitat on rangeland
	<b>Range Planting (550):</b> Use range planting following ground disturbing conservation practices as needed and incorporate forbs/legumes into the seed mixture
<b>5 Bare Ground</b>	<b>Fields scoring 3 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Prescribed Grazing (528):</b> Plan rotational grazing to allow more adequate rest time between grazing events and reevaluate stocking rates
	<b>Prescribed Burning (338):</b> Plan prescribed burning to induce seed production and exclude livestock grazing during summer months (June – August)
	<b>Brush Management (314):</b> If open ground is caused by a closed canopy use brush management to reduce woody vegetation and encourage more herbaceous cover
	<b>Range Planting (550):</b> Use range planting on large areas of bare ground and incorporate forbs/legumes into the grass seed mixture
	<b>Access Control (472):</b> Utilize access control to restrict or limit access to sensitive areas permanently or during times of grazing vulnerability (e.g., scrub)
	<b>Watering Facility (614):</b> Plan watering facilities to more evenly distribute grazing
<b>6 Weedy Invasive Plants</b>	<b>Fields scoring 4 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Herbaceous Weed Control (315):</b> Fields should be treated based on UF/IFAS recommendations
	<b>Integrated Pest Management (595):</b> Scout all fields following any use of supplemental feed such as hay from weed free fields and use other IPM principles
	<b>Prescribed Grazing (528):</b> Stocking rates may need to be readjusted if weedy invasive plant species are being spread or promoted through over grazing or increased supplemental feed
<b>7 Woody Plant Coverage</b>	<b>Fields scoring 3 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Brush Management (314):</b> Plan brush management to control woody species and provide for an “early succession” habitat designed to meet landowners goals
	<b>Prescribed Burning (338):</b> Use prescribed burning to remove duff layer and knock back woody vegetation to an “early succession” phase
<b>8 Woody Invasive Plants</b>	<b>Fields scoring 4 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Brush Management (314):</b> Plan brush management to control woody species based on UF/IFAS recommendations
	<b>Integrated Pest Management (595):</b> Remove or properly dispose of vegetation, scout and use WIN PST on all chemical applications.
	<b>Prescribed Burning (338):</b> Plan prescribed burning to induce seed production and

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	exclude livestock grazing during summer months (June – August)
<b>9 Intensity of Grazing</b>	<b>Fields scoring 3 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Prescribed Grazing (528):</b> Adjust rotational grazing system to base rotation on animal density, frequency and length of grazing period based on plant stubble height of key forages to ensure proper utilization
	<b>Fence (382):</b> Use cross fence to reduce pasture size and make fields more uniform in size and/or production to allow for more uniform grazing
	<b>Watering Facility (614):</b> Use watering facilities to induce cattle movement more evenly across fields
<b>10 Prescribed Burning</b>	<b>Fields scoring 3 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Prescribed Burning (338):</b> Plan prescribed burning according to landowner goals, use guidance located in Range and Pasture Handbook for prescription recommendations
	<b>Brush Management (314):</b> Plan brush management to reduce amount and height of woody vegetation (e.g., roller chopping) to promote a safe and effective burn
	<b>Access Control (472):</b> Utilize access control to restrict or limit access of grazing to areas during times of grazing vulnerability (e.g. spring) and allow for sites to fully recover
	<b>Prescribed Grazing (528):</b> Plan rotational grazing to defer grazing from sites in accordance to guidance provided in the Prescribed Burning Standard 338 and to meet ecological objectives
<b>11 Concentrated Livestock Areas</b>	<b>Fields scoring 3 or less and with a trend score of 0 (static) to -5 (significantly degrading) consider implementation of the following conservation practices</b>
	<b>Heavy Use Area Protection (561):</b> Plan Heavy Use Area Protection around livestock concentration areas to minimize the impacts of soil compaction and runoff (e.g. water trough)
	<b>Prescribed Grazing (528):</b> Plan rotational grazing to allow more adequate rest time between grazing events and reevaluate stocking rates
	<b>Fence (382):</b> Use cross fence to reduce pasture size and make fields more uniform in size and/or production to allow for more uniform grazing
	<b>Watering Facility (614):</b> Use watering facilities to reduce CLA impacts to ecologically sensitive areas (e.g., wetlands) along with Heavy Use Area Protection to reduce or eliminate CLA

**Additional Notes:**

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