

Site Inspection Field Form	
Project: Yellow River Ranch	Date: Jan 14 2011
Name(s) of Data Collectors: Caitlin Elam	Weather: 25 degrees F, sunny
Environmental Description: Bottomland forest and wet prairie/wet flatwoods converted to pasture	
GPS Location: 30°35'43.92"N 86°54'0.33"W	Time: 8:00 am
On at least a yearly basis, the site will be inspected as follows:	
A: Perimeter for signs of trespassing, fencing and signage integrity and infestation by exotic or nuisance vegetation;	
Fencing and gate are intact, there are no signs of trespassing, and no invasive exotic species were seen along the perimeter.	
B: Internal Roads (Both public and maintenance) for signs of dumping or trespassing, erosion, bridges and road integrity, and exotic or nuisance species infestations;	
No dumping or erosion observed on internal roads, culverts are all intact. <i>Lygodium japonicum</i> was observed along the abandoned boundary road in the northeastern portion of the property at the boundary of the old pasture and the bottomland forest. Some erosion on the steep clay road on the adjacent property at the entrance to the site.	
C: All construction areas for stabilization and re-vegetation, structure, operation, and integrity;	
N/A	
D: Representative polygons for each UMAM community for fuel load, exotic or nuisance species, planted material survival, groundcover, and shrub condition.	
Old field restoration areas: No invasive exotic species seen, nuisance wet old field species are common but many non-nuisance wetland species are intermixed. Herbaceous plant diversity is high. Few shrubs or trees present except where planted. Planted wiregrass (<i>Aristida stricta</i>), bald cypress (<i>Taxodium ascendens</i>), and Atlantic white cedar (<i>Chamaecyparis thyoides</i>) show over 80% survivorship in the areas that were surveyed. Fine fuel load is moderate to high in most areas, some patches of exposed soil or inundation present throughout the restoration area. The dominant species are in good condition. Levels of ponding and degrees of soil saturation throughout the site resulting from hydrologic restoration reflected the latent site hydrology and directed the revision of the the historical natural community and the restoration plan.	
Bottomland Forest: Some <i>Sapium sebiferum</i> and <i>Lygodium japonicum</i> were observed along the periphery of the intact bottomland forest. Heavy and medium fuel load is moderate and fine fuel is low. The species composition and diversity appears appropriate for this natural community type and all plants appeared healthy.	

Vegetation Assessment Field Form Qualitative Assessment	
Project: Yellow River Ranch	Date: Jan 14 2011
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Environmental Description: Bottomland forest and wet prairie/wet flatwoods converted to pasture	
GPS Location: 30°35'43.92"N 86°54'0.33"W	Time: 8:00 am
Nuisance Species: scattered reproductive <i>Lygodium japonicum</i> was seen along the northeastern abandoned road adjacent to the bottomland forest, scattered juvenile <i>Sapium sebiferum</i> was seen in the bottomland forest and pasture in the southern portion of the property.	
Fuel Load: Fuel load is moderate in the bottomland forest community and low to moderate in the pasture restoration area.	
Wildlife Observations: Little Blue Heron.	
Water depth: Variable across property, ponding to 1 ft. deep in the low areas within the old pasture. The soil in the bottomland forest is saturated to the surface and ponded in some areas.	
Is the community observed along the walk path representative of the community being measured? The bottomland forest is of very good quality and composition, the pasture restoration area is exhibiting many native wetland species recruitment and wiregrass survival but pasture grass and weedy species still persist.	
To what degree is the restoration in this area trending towards success? The restoration that has been accomplished so far (e.g. filling of ditches to restore the hydrology and the planting and survival of wiregrass and wetland tree species) is in compliance with the success criteria.	
Potential Problems and solutions: Invasive species should be treated regularly to prevent spread; the pasture should be maintained through fire or mowing to allow wiregrass and other savannah species to compete with surrounding weedy vegetation.	

Species	Common Name	Habit	Walk paths	Natural Recruitment	Flowering/Fruiting	Last Year Seen
<i>Acer rubrum</i>	red maple	T	N/A	N/A	N	2011
<i>Agalinis fasciculata</i>	beach false foxglove	H	N/A	N/A	N	2011
<i>Agalinis</i> sp.	false foxglove	H	N/A	N/A	N/A	2010
<i>Alternanthera sessilis</i>	sessile joyweed	H	N/A	N/A	N/A	2010
<i>Andropogon glomeratus</i> var. <i>glaucopsis</i>	purple bluestem	H	N/A	N/A	N/A	2010
<i>Andropogon</i> sp.	bluestem	H	N/A	N/A	N/A	2010
<i>Andropogon virginicus</i>	broom sedge	H	N/A	N/A	Y	2011
<i>Anthraenantia rufa</i>	purple silkyscale	H	N/A	N/A	N/A	2010
<i>Aristida stricta</i> var. <i>beyrichiana</i>	wiregrass	H	N/A	N/A	N	2011
<i>Arundinaria gigantea</i>	switchcane	H	N/A	N/A	N	2011
<i>Axonopus fissifolius</i>	common carpetgrass	H	N/A	N/A	N/A	2010
<i>Axonopus</i> sp.	carpetgrass	H	N/A	N/A	N/A	2010
<i>Baccharis halimifolia</i>	groundsel tree	S	N/A	N/A	N	2011
<i>Bidens mitis</i>	smallfruit beggarticks	H	N/A	N/A	N/A	2010
<i>Bignonia capreolata</i>	crossvine	V	N/A	N/A	N	2011
<i>Carex glaucescens</i>	southern waxy sedge	H	N/A	N/A	N	2011
<i>Centella asiatica</i>	spadeleaf	H	N/A	N/A	N	2011
<i>Chamaecyparis thyoides</i>	Atlantic white cedar	T	N/A	N/A	N	2011
<i>Chasmanthium nitidum</i>	shiny woodoats	H	N/A	N/A	Y	2011
<i>Cladium jamaicense</i>	sawgrass	H	N/A	N/A	N/A	2010

Species	Common Name	Habit	Walk paths	Natural Recruitment	Flowering/Fruiting	Last Year Seen
<i>Cliftonia monophylla</i>	black titi	S	N/A	N/A	N/A	2010
<i>Coreopsis</i> sp.	tickseed	H	N/A	N/A	N/A	2010
<i>Cuphea carthagenensis</i>	Colombian waxweed	H	N/A	N/A	N/A	2010
<i>Cynodon dactylon</i>	Bermudagrass	H	N/A	N/A	N/A	2010
<i>Cyperus erythrorhizos</i>	redroot flatsedge	H	N/A	N/A	N/A	2010
<i>Cyperus odoratus</i>	fragrant flatsedge	H	N/A	N/A	N/A	2010
<i>Cyperus</i> sp.	flatsedge	H	N/A	N/A	N/A	2010
<i>Cyperus surinamensis</i>	tropical flatsedge	H	N/A	N/A	N/A	2010
<i>Cyrilla racemiflora</i>	titi	S	N/A	N/A	Y	2011
<i>Dichantherium aciculare</i>	needleleaf witchgrass	H	N/A	N/A	N/A	2010
<i>Dichantherium scabriusculum</i>	woolly witchgrass	H	N/A	N/A	N/A	2010
<i>Dichantherium</i> sp.	witchgrass	H	N/A	N/A	N	2011
<i>Diodea virginiana</i>	poor joe	H	N/A	N/A	Y	2011
<i>Diodia teres</i>	poor joe	H	N/A	N/A	N/A	2010
<i>Eleocharis baldwinii</i>	Baldwin's spikerush	H	N/A	N/A	N/A	2010
<i>Eleocharis obtusa</i>	blunt spikerush	H	N/A	N/A	N/A	2010
<i>Eleocharis</i> sp.	spikerush	H	N/A	N/A	N/A	2010
<i>Eragrostis elliotii</i>	Elliott's lovegrass	H	N/A	N/A	Y	2011
<i>Eragrostis</i> sp.	lovegrass	H	N/A	N/A	N/A	2010
<i>Eragrostis virginica</i>	coastal lovegrass	H	N/A	N/A	N/A	2010
<i>Erechtites hieraciifolius</i>	fireweed	H	N/A	N/A	N/A	2010
<i>Eremochloa ophiuroides</i>	centipede grass	H	N/A	N/A	N	2011
<i>Eriocaulon decangulare</i>	tenangle pipewort	H	N/A	N/A	N/A	2010
<i>Eupatorium capillifolium</i>	dogfennel	H	N/A	N/A	Y	2011
<i>Eupatorium compositifolium</i>	yankeeweed	H	N/A	N/A	N/A	2010
<i>Eupatorium leptophyllum</i>	falsefennel	H	N/A	N/A	N/A	2010
<i>Eupatorium leucolepis</i>	justiceweed	H	N/A	N/A	N/A	2010
<i>Eupatorium semiserratum</i>	smallflower thoroughwort	H	N/A	N/A	N/A	2010
<i>Euthamia caroliniana</i>	slender flat-topped goldenrod	H	N/A	N/A	Y	2011
<i>Euthamia graminifolia</i>	flat-topped goldenrod	H	N/A	N/A	Y	2011
<i>Fimbristylis autumnalis</i>	slender fimbry	H	N/A	N/A	N/A	2010
<i>Fimbristylis littoralis</i>	grasslike fibry	H	N/A	N/A	N/A	2010
<i>Fimbristylis</i> sp.	fimbry	H	N/A	N/A	N/A	2010
<i>Fraxinus pennsylvanica</i>	green ash	T	N/A	N/A	N	2011
<i>Fuirena breviseta</i>	saltmarsh umbrellasedge	H	N/A	N/A	N/A	2010
<i>Gelsemium rankii</i>	swamp jessamine	V	N/A	N/A	N	2011
<i>Houstonia procumbens</i>	roundleaf bluet	H	N/A	N/A	N/A	2010
<i>Hydrocotyle</i> sp.	marshpennywort	H	N/A	N/A	N/A	2010
<i>Hypericum cistifolium</i>	roundpod St. John's wort	S	N/A	N/A	N/A	2010
<i>Hypericum fasciculatum</i>	peelbark St. John's-wort	S	N/A	N/A	Y	2011
<i>Hypericum gymnanthum</i>	claspingleaf St. John's wort	S	N/A	N/A	N/A	2010
<i>Hypericum hypericoides</i>	St. Andrew's cross	S	N/A	N/A	N	2011
<i>Hypericum</i> sp.	St. John's wort	S	N/A	N/A	N/A	2010
<i>Hyptis alata</i>	clustered bushmint	H	N/A	N/A	Y	2011
<i>Ilex cassine</i> var. <i>myrtifolia</i>	myrtle dahoon	S	N/A	N/A	N	2011
<i>Ilex vomitoria</i>	yaupon	S	N/A	N/A	N	2011
<i>Ipomoea</i> sp.	morning glory	V	N/A	N/A	N/A	2010
<i>Itea virginica</i>	Virginia sweetspire	S	N/A	N/A	Y	2011
<i>Juncus canadensis</i>	Canadian rush	H	N/A	N/A	Y	2011
<i>Juncus effusus</i> ssp. <i>solutus</i>	soft rush	H	N/A	N/A	N/A	2010
<i>Juncus elliotii</i>	bog rush	H	N/A	N/A	Y	2011

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<i>Juncus marginatus</i>	shore rush	H	N/A	N/A	Y	2011
<i>Juncus repens</i>	creeping rush	H	N/A	N/A	Y	2011
<i>Juncus roemerianus</i>	needle rush	H	N/A	N/A	N/A	2010
<i>Juncus scirpoides</i>	needlepod rush	H	N/A	N/A	Y	2011
<i>Lachnanthes caroliniana</i>	Carolina red root	H	N/A	N/A	N	2011
<i>Lobelia brevifolia</i>	shortleaf lobelia	H	N/A	N/A	N/A	2010
<i>Ludwigia decurrens</i>	anglestem primrose-willow	H	N/A	N/A	Y	2011
<i>Ludwigia linearis</i>	narrowleaf primrosewillow	H	N/A	N/A	N/A	2010
<i>Ludwigia pilosa</i>	hairy seed box	H	N/A	N/A	Y	2011
<i>Ludwigia repens</i>	creeping primrosewillow	H	N/A	N/A	N/A	2010
<i>Ludwigia</i> sp.	primrosewillow	H	N/A	N/A	N/A	2010
<i>Ludwigia suffruticosa</i>	shrubby primrosewillow	H	N/A	N/A	N/A	2010
<i>Lycopus rubellus</i>	taperleaf waterhorehound	H	N/A	N/A	N/A	2010
<i>Lygodium japonicum</i>	Japanese climbing fern	V	N/A	N	Y	2011
<i>Magnolia virginiana</i>	sweetbay	T	N/A	N/A	N	2011
<i>Mecardonia acuminata</i>	axilflower	H	N/A	N/A	Y	2011
<i>Mitreola sessilifolia</i>	hornpod	H	N/A	N/A	N	2011
<i>Myrica cerifera</i>	wax myrtle	S	N/A	N/A	N	2011
<i>Nyssa sylvatica</i> var. <i>biflora</i>	black gum	T	N/A	N/A	N	2011
<i>Oenothera</i> sp.	primrose	H	N/A	N/A	Y	2011
<i>Oldenlandia uniflora</i>	clustered mille grains	H	N/A	N/A	N	2011
<i>Osmunda regalis</i> var. <i>spectabilis</i>	royal fern	H	N/A	N/A	N	2011
<i>Oxypolis filiformis</i>	water cowbane	H	N/A	N/A	N/A	2010
<i>Panicum hians</i>	gaping panicum	H	N/A	N/A	N/A	2010
<i>Panicum longifolium</i>	switchgrass	H	N/A	N/A	Y	2011
<i>Panicum repens</i> *	torpedo grass	H	N/A	N/A	N/A	2010
<i>Panicum verrucosum</i>	warty panicgrass	H	N/A	N/A	N/A	2010
<i>Panicum virgatum</i>	switchgrass	H	N/A	N/A	Y	2011
<i>Paspalum laeve</i>	field paspalum	H	N/A	N/A	Y	2011
<i>Paspalum notatum</i>	bahiagrass	H	N/A	N/A	Y	2011
<i>Persea palustris</i>	swamp bay	T	N/A	N/A	N/A	2010
<i>Pinus elliotii</i>	slash pine	T	N/A	N/A	Y	2011
<i>Pluchea foetida</i>	stinking camphorweed	H	N/A	N/A	N/A	2010
<i>Pluchea odorata</i>	sweetscent	H	N/A	N/A	Y	2011
<i>Pluchea</i> sp.	camphorweed	H	N/A	N/A	N/A	2010
<i>Polygonum punctatum</i>	dotted smartweed	H	N/A	N/A	N/A	2010
<i>Polygonum</i> sp.	smartweed	H	N/A	N/A	N/A	2010
<i>Polypremum procumbens</i>	juniper leaf	H	N/A	N/A	Y	2011
<i>Pontederia cordata</i>	pickerelweed	H	N/A	N/A	N/A	2010
<i>Proserpinaca pectinata</i>	combleaf mermaidweed	H	N/A	N/A	N	2011
<i>Pseudognaphalium obtusifolium</i>	rabbit tobacco	H	N/A	N/A	N	2011
<i>Quercus laurifolia</i>	laurel oak	T	N/A	N/A	N	2011
<i>Quercus michauxii</i>	swamp chestnut oak	T	N/A	N/A	N	2011
<i>Rhexia mariana</i>	Maryland meadowbeauty	H	N/A	N/A	Y	2011
<i>Rhexia</i> sp.	meadowbeauty	H	N/A	N/A	N/A	2010
<i>Rhexia virginica</i>	handsome hary	H	N/A	N/A	N/A	2010
<i>Rhus copallinum</i>	winged sumac	H	N/A	N/A	N/A	2010
<i>Rhynchospora cephalantha</i>	bunched beaksedge	H	N/A	N/A	Y	2011
<i>Rhynchospora chalarocephala</i>	loosehead beaksedge	H	N/A	N/A	Y	2011
<i>Rhynchospora corniculata</i>	shortbristle horned beaksedge	H	N/A	N/A	N	2011
<i>Rhynchospora elliotii</i>	Elliott's beaksedge	H	N/A	N/A	N/A	2010

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<i>Rhynchospora fascicularis</i>	fascicled beaksedge	H	N/A	N/A	Y	2011
<i>Rhynchospora glomerata</i>	clustered beaksedge	H	N/A	N/A	N/A	2010
<i>Rhynchospora microcarpa</i>	southern beaksedge	H	N/A	N/A	Y	2011
<i>Rhynchospora nitens</i>	shortbeak beaksedge	H	N/A	N/A	Y	2011
<i>Rhynchospora rariflora</i>	few-flower beaksedge	H	N/A	N/A	Y	2011
<i>Rhynchospora</i> sp.	beaksedge	H	N/A	N/A	N/A	2010
<i>Rubus argutus</i>	sawtooth blackberry	H	N/A	N/A	N	2011
<i>Sacciolepis indica</i>	Indian cupscale	H	N/A	N/A	N/A	2010
<i>Sacciolepis striata</i>	American cupscale	H	N/A	N/A	N/A	2010
<i>Sapium sebiferum</i> *	Chinese tallow	T	N/A	Y	Y	2011
<i>Scirpus cyperinus</i>	woolgrass	H	N/A	N/A	Y	2011
<i>Scleria</i> sp.	nutrush	H	N/A	N/A	N/A	2010
<i>Scoparia dulcis</i>	licorice weed	H	N/A	N/A	Y	2011
<i>Sesbania herbacea</i>	bigpod sesbania	H	N/A	N/A	Y	2011
<i>Smilax laurifolia</i>	laurel greenbrier	V	N/A	N/A	N/A	2010
<i>Smilax walteri</i>	coral greenbrier	V	N/A	N/A	Y	2011
<i>Solidago fistulosa</i>	pinebarren goldenrod	H	N/A	N/A	N/A	2010
<i>Sphagnum</i> sp.	sphagnum moss	H	N/A	N/A	N/A	2010
<i>Sporobolus indicus</i>	smut grass	H	N/A	N/A	Y	2011
<i>Symphyotrichum dumosum</i>	bushy aster	H	N/A	N/A	N	2011
<i>Taxodium ascendens</i>	pond cypress	T	N/A	N/A	N	2011
<i>Taxodium distichum</i>	bald cypress	T	N/A	N/A	N	2011
<i>Tillandsia usneoides</i>	Spanish moss	H	N/A	N/A	N	2011
<i>Toxicodendron radicans</i>	eastern poison ivy	V	N/A	N/A	N/A	2010
<i>Vaccinium corymbosum</i>	highbush blueberry	S	N/A	N/A	N/A	2010
<i>Verbena brasiliensis</i>	Brazilian vervain	H	N/A	N/A	N/A	2010
<i>Viola lanceolata</i>	bog white violet	H	N/A	N/A	N/A	2010
<i>Viola</i> sp.	violet	H	N/A	N/A	N/A	2010
<i>Vitis rotundifolia</i>	muscadine	V	N/A	N/A	N/A	2010
<i>Woodwardia areolata</i>	netted chain fern	H	N/A	N/A	N/A	2010
<i>Woodwardia virginica</i>	Virginia chain fern	H	N/A	N/A	N/A	2010
<i>Xyris ambigua</i>	coastal plain yelloweyed grass	H	N/A	N/A	Y	2011
<i>Xyris brevifolia</i>	shortleaf yelloweyed grass	H	N/A	N/A	Y	2011
<i>Xyris elliotii</i>	Elliott's yellow-eyed grass	H	N/A	N/A	N/A	2010
<i>Xyris fimbriata</i>	fringed yelloweyed grass	H	N/A	N/A	Y	2011
<i>Xyris flabelliformis</i>	savannah yelloweyed grass	H	N/A	N/A	N	2011
<i>Xyris jupicai</i>	Richard's yelloweyed grass	H	N/A	N/A	Y	2011
<i>Xyris platylepis</i>	tall yellow-eyed grass	H	N/A	N/A	N/A	2010
<i>Xyris serotina</i>	acid swamp yellow-eyed grass	H	N/A	N/A	N/A	2010
<i>Xyris</i> sp.	yellow-eyed grass	H	N/A	N/A	N/A	2010

*FLEPPC Category I or II invasive exotic species

H=Herb

S=Shrub

T=Tree