DI Y & IVIESIC I	nginanus Pine WC	ouianus (i		vi EIA uatasile	et <u>Open Fill</u>	e (metrics verz.u)		
Plot ID:		D	ate:					
Event details								
Site Name:			Team:					
GPS Unit:								
Datum:				Ecologica	al System:			
Latitude:		decimal						
Longitude:		degrees decimal						
PDOP:		degrees						
Number of Satellites:								
			Assess	ment Area/Site	Description:			
Directions to plo	ot:		.					
			Consid	er for EO (checl	k box)?	EO Comments	:	
			<u> </u>					
	outhern Yellow Pine					Dry & Mesic Highlands Pine Woodlands	Rating	
	asal area of shortleaf	-	-				4	Raw Value:
	90 ft2/acre basal are						3	
	to 110 ft2/acre basal a		-				2	Rating:
readings	cre basar area or sitor	tiear pine (Fi	iius eciiii	iataj			1	7 [
readings								
Southern Yellov	w Pine Stand Age St	ructure (14	" cutoff			Dry & Mesic Highlands Pine Woodlands	Rating	
	2/acre of shortleaf pin						4	Raw Value:
	2/acre of shortleaf pin						3	
	es ≥14" DBH class are	•	<10 ft2/	acre basal area of	f those large tre	ees	2	Rating:
No shortleaf pine	trees ≥14" DBH are p	resent					1	\rightarrow
readings								
Southern Yellov	w Pine Stand Age St	ructure (12	" cutoff			Dry & Mesic Highlands Pine Woodlands	Rating	
Basal area ≥20 ft2	2/acre of shortleaf pin	e trees ≥12"	DBH clas	S			4	Raw Value:
Basal area ≥10 ft2	2/acre of shortleaf pin	e trees ≥12"	DBH clas	S			3	
Shortleaf pine tre	es ≥12" DBH class are	present, but	<10 ft2/	acre basal area o	f those large tre	ees	2	Rating:
No shortleaf pine	trees ≥12" DBH are p	resent					1	\rightarrow $ $
readings			7					

Dry & Mesic High	lands Pine Woodlands	(DMH <u>PW)</u> EIA datash	eet Open Pine (metrics ver2.0)		
Plot ID:		Date:			
Canopy Hardwood	Basal Area		Dry & Mesic Highlands Pine Woodlands	Rating	
20 ft2/acre basal are	ea of hardwood trees			4	Raw Value
20 to 40 ft2/acre ba	sal area of hardwood trees			3	
•40 to 50 ft2/acre ba	sal area of hardwood trees			2	Rating:
50 ft2/acre basal are	ea of hardwood trees			1	\rightarrow
readings					
Canopy Hardwood	Basal Area - Fire-Intolera	ant	Dry & Mesic Highlands Pine Woodlands	Rating	
10 ft2/acre basal are	ea of fire intolerant hardwo	od trees		4	Raw Value
10 to 20 ft2/acre ba	sal area of fire intolerant ha	rdwood trees		3	
>20 to 30 ft2/acre ba	sal area of fire intolerant ha	rdwood trees		2	Rating:
30 ft2/acre basal are	ea of fire intolerant hardwo	od trees		1	\rightarrow
readings					<u>L</u>
Southern Yellow Pi	ne Canopy Cover		Dry & Mesic Highlands Pine Woodlands	Rating	
>25 to 70% canopy co	over of shortleaf pine (Pinus	echinata)		4	Raw Value
20-25% canopy cover	or >70 to 80% canopy cove	r of shortleaf pine (Pinus ec	chinata)	3	
LO to <20% canopy co	over or >80 to 90% canopy o	over of shortleaf pine (Pinu	s echinata)	2	Rating:
<10% canopy cover o	r >90% canopy cover of sho	rtleaf pine (Pinus echinata)		1	\rightarrow
Stand Density Inde	x		Dry & Mesic Highlands Shortleaf Pine Woodlands	Rating	
SDI = 65 – 135 (14-30	% of Maximum SDI of 450)			4	Raw Value
SDI = 45 – 65 or 135 -	180 (10-14% or 30-40% of N	1aximum SDI of 450, 35 – 4	0% SDI is near maximum of stand growt		
SDI = 20 – 45 or 180 - self-thinning)	225 (4-10% or 40-50% of M	aximum SDI, 270 is 60% of	Maximum SD of 450, which is the onset	of 2	Rating:
SDI <20 or >225 (<4%	or > 50%, 270 is 60% of Ma	ximum SD of 450, the onset	t of self-thinning)	1	_
list of DBHs				<u>'</u>	

Dry & Mesic Hig	<u>hlands Pine Woodlands</u>	<u>s (DMHPW)</u> EIA data	sheet Open Pine (metrics ver2.0)		
Plot ID:		Date:			
Stand Density Ind	ex		Dry & Mesic Highlands Longleaf Pine Woodlands	ating	
SDI = 55 – 120 (14-3	0% of Maximum SDI of 400)			4	Raw Value:
SDI = 40 – 55 or 120	-160 (10-14% or 30-40% of N	Maximum SDI of 400, 35	 40% SDI is near maximum of stand growth) 	3	
SDI = 15 – 40 or 160 self-thinning)	- 200 (4-10% or 40-50% of M	laximum SDI, 240 is 60%	of Maximum SD of 400, which is the onset of	2	Rating:
SDI <15 or >200 (<49	% or > 50%, 240 is 60% of Max	ximum SD of 400, the or	set of self-thinning)	1	
list of DBHs					
Canopy Overall Ed	ological Assessment				
comments					

Plot ID: Midstory Fire-Tolerant Hardw 2 to 10% cover of midstory fire-to 10 to 30%, or <2% cover of midstory		Dry & Mesic Highlands Pine Woodlands	Rating	
2 to 10% cover of midstory fire-to			Rating	
•	lerant hardwoods			
10 to 30%, or <2% cover of midsto	ierane narawoods		4	Raw Value:
	ry fire-tolerant hardwoods		3	
>30 to 40% cover of midstory fire-	tolerant hardwoods		2	Rating:
>40% cover of midstory fire-tolera	nt hardwoods		1	\rightarrow
Midstory Fire-Intolerant Hard	wood Cover	Dry & Mesic Highlands Pine Woodlands	Rating	
<5% cover of fire-intolerant hardy	ood midstory		4	Raw Value:
5 to 10% cover of fire-intolerant h	ardwood midstory		3	
>10 to 20% cover of fire-intoleran	t hardwood midstory		2	Rating:
>20% cover of fire-intolerant hard	wood midstory		1	\rightarrow
Midstory Overall Woody Cove	r	Dry & Mesic Highlands Pine Woodlands	Rating	
2 to <20% cover of woody midsto	Ty .		4	Raw Value:
20-25%, or <2% cover of woody m	idstory		3	
>25 to 35% cover of woody midsto	ory		2	Rating:
>35% cover of woody midstory			1	→ "
Midstory Overall Ecological As	sessment			
comments				
Midstory Overall Ecological As	ssessment		1	→ <u> </u>

Plot ID: Date:			
Tall Shrub (3-10 feet tall) Cover	Dry & Mesic Highlands Pine Woodlands	Rating	
Shrubs 3-10 feet in height average <15% cover.		4	Raw Value:
Shrubs 3-10 feet in height average 15 to 20% cover.		3	
Shrubs 3-10 feet in height average >20 to 30% cover.		2	Rating:
Shrubs 3-10 feet in height average >30% cover.		1	\rightarrow
Short Shrub (<3 feet tall) Cover	Dry & Mesic Highlands Pine Woodlands	Rating	
Shrubs < 3 feet in height average <20% cover in the assessment area		4	Raw Value:
Shrubs < 3 feet in height average 20 to 25% cover in the assessment area		3	
Shrubs < 3 feet in height average >25 to 40% cover in the assessment area		2	Rating:
Shrubs < 3 feet in height average >40% cover in the assessment area		1	\rightarrow
Longleaf Pine Regeneration	Rapid Assessment Location	Rating	
Longleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location		4	Raw Value:
ongleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location		3	
No Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longleaf pine or lopresent rapid assessment location	ngleaf pine >10" DBH a	re 2	Rating:
ongleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-producing lor ongleaf pine >10" DBH are present at the rapid assessment location	ngleaf pine or any matu	re 1	
	>10" DBH or cone-pro	ducing lor	ngleaf present
Longleaf Pine Regeneration	Stand Level	Rating	
Longleaf pine regeneration is present in patches across the stand, these patches are $5-15\%$ 1/6 of the stand)	of the stand (about 1/2	^{0 to} 4	Raw Value:
Longleaf pine regeneration is present in patches across the stand, these patches are 1-5 $\%$ o stand (less than 1/20 or more than 1/6 of the stand)	f the stand or >15% of t	the 3	Rating:
Longleaf pine regeneration is very sparse across stand, patches of longleaf pine regeneration producing longleaf pine or longleaf pine >10" DBH are present	n are <1% of stand, or c	one- 2	\rightarrow
Longleaf pine regeneration is apparently absent in stand, and apparently no cone-producing mature longleaf pine >10" DBH are present in the stand	g longleaf pine or any	1	
	>10" DBH or cone-pro	ducing lor	ngleaf present
Shrub Overall Ecological Assessment			
comments			

Dry & Mesic Highlands Pine Woodlands (DMHPW	/) EIA datasheet Open Pine (metrics ver2.0)		
Plot ID: Date:			
Overall Native Herbaceous Ground Cover	Dry & Mesic Highlands Pine Woodlands	Rating	
>45 to 80% herbaceous cover		4	Raw Value:
30-45% or >80% herbaceous cover		3	
15 to <30% herbaceous cover		2	Rating:
<15% herbaceous cover		1	→ °
Native Warm Season Grass Cover	Dry & Mesic Highlands Pine Woodlands	Rating	
>25 to 85% cover of all native warm season grasses		4	Raw Value:
>15 to 25% or >85% cover of all native warm season grasses		3	
10 -15% cover of all native warm season grasses		2	Rating:
<10% cover of all native warm season grasses		1	\rightarrow
Invasive Plant Presence/Distribution		Rating	
Invasive nonnative plant species absent		4	Raw Value:
Invasive nonnative plant species present in any stratum but s	sporadic (<5% cover)	3	
Invasive nonnative plant species in any stratum uncommon (5-10% cover)	2	Rating:
Invasive nonnative plant species in any stratum common (>1	0% cover)	1	\rightarrow
Herbaceous Indicators of Soil Disturbance		Rating	
Total cover for herbaceous indicators of soil disturbance <2%		4	Raw Value:
Total cover for herbaceous indicators of soil disturbance 2-59	%	3	
Total cover for herbaceous indicators of soil disturbance >5-1	10%	2	Rating:
Total cover for herbaceous indicators of soil disturbance >10	%	1	\rightarrow
Groundcover Overall Ecological Assessment			
comments			

Dry & Mesic Highlands Pine Woodlands (DMHPW) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: **Contiguous Natural Land Cover Rating** LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

	(Mountain Longlear) (DMHPWML) EIA datasneet <u>Open Pine (metrics</u>
	Date:
Event details	
Site Name:	Team:
GPS Unit:	
Datum:	Ecological System:
Latitude: decimal	
Longitude: degrees decimal	
PDOP: degrees	
Number of Satellites:	
	Assessment Area/Site Description:
Directions to plot:	_
	Consider for EO (check box)? EO Comments:
	_
Basal Area of Southern Yellow Pine Canopy 1	rees Dry & Mesic Highlands Pine Rating
>35-75 ft2/acre basal area of longleaf pine (Pinus p	woodianas (Mountain Longleaf)
	of pine (Pinus palustris) and shortleaf pine (Pinus echinata)
10 to <30 or >90 to 110 ft2/acre basal area of long	leaf pine (Pinus palustris) and shortleaf pine (Pinus echinata) Rating:
<10 or >110 ft2/acre basal area of longleaf pine (P	
readings	
Southern Yellow Pine Stand Age Structure (1	4" cutoff) Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf) Rating
Basal area ≥20 ft2/acre of longleaf pine and/or sho	ortleaf pine trees ≥14" DBH class or flat-top longleaf pine is present 4 Raw Value:
Basal area ≥10 ft2/acre of longleaf pine and/or sho	ortleaf pine trees ≥14" DBH class. No flat-top longleaf pine is present. 3
	Rating:
Longleaf pine and/or shortleaf pine trees ≥14" DBI No flat-top longleaf pine is present.	H class are present, but <10 ft2/acre basal area of those large trees. 2
No longleaf pine and/or shortleaf pine trees ≥14"	DBH nor flat-top longleaf pine are present
readings	flat-top pine present
Southern Yellow Pine Stand Age Structure (1	2" cutoff) Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf) Rating
Basal area ≥20 ft2/acre of longleaf pine and/or sho	ortleaf pine trees ≥12" DBH class or flat-top longleaf pine is present 4 Raw Value:
Racal area >10 ft2/acre of longleaf nine and/or the	ortleaf pine trees ≥12" DBH class. No flat-top longleaf pine is present. 3
basar area 210 ft2/ acre or longical pine and/or site	ortleaf pine trees ≥12" DBH class. No flat-top longleaf pine is present. 3 Rating:
	H class are present, but <10 ft2/acre basal area of those large trees.
No flat-top longleaf pine is present. No longleaf pine and/or shortleaf pine trees ≥12"	DBH nor flat-top longleaf pine are present 1
readings	flat-top pine present

Dry & Mesic High	lands Pine Woodland	ds (Mount	ain Longleaf)	(DMHPWN	<u>IL)</u> EIA datasheet <u>Ope</u>	n Pine	(metrics
Plot ID:		Date:					
Canopy Hardwood	Basal Area				Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
≤20 ft2/acre basal are	a of hardwood trees					4	Raw Value:
>20 to 40 ft2/acre bas	al area of hardwood trees	S				3	
>40 to 50 ft2/acre bas	al area of hardwood tree	S				2	Rating:
>50 ft2/acre basal are	a of hardwood trees					1	\rightarrow
readings							
Canopy Hardwood	Basal Area - Fire-Intole	rant	_		Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
≤10 ft2/acre basal are	a of fire intolerant hardw	ood trees				4	Raw Value:
>10 to 20 ft2/acre bas	al area of fire intolerant h	nardwood tre	ees			3	
>20 to 30 ft2/acre bas	al area of fire intolerant h	nardwood tre	ees			2	Rating:
>30 ft2/acre basal are	a of fire intolerant hardw	ood trees				1	\rightarrow
readings							
Southern Yellow Pi	ne Canopy Cover		<u></u>		Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
>25 to 70% canopy co	ver of longleaf pine (Pinus	s palustris) a	nd shortleaf pin	e (Pinus echin		4	Raw Value:
20-25% canopy cover	or >70 to 80% canopy cov	er of longle	af pine (Pinus pa	lustris) and sh	ortleaf pine (Pinus echina	ta) 3	
12.							Rating:
10 to <20% canopy co echinata)	ver or >80 to 90% canopy	cover of lon	igleaf pine (Pinu	s palustris) an	d shortleaf pine (Pinus	2	\rightarrow
,	>90% canopy cover of lo	ngleaf pine (Pinus palustris)	and shortleaf	pine (Pinus echinata)	1	
Stand Density Index	,				Dry & Mesic Highlands Pine	Rating	
_	% of Maximum SDI of 400	\			Woodlands (Mountain Longleaf)		
•		•	DI of 400, 25 – 4	10% SDI is posi	r maximum of stand grow	4 ·b) 3	Raw Value:
301 - 40 - 33 01 120	100 (10-14% 01 30-40% 01	iviaxiiiiuiii 3	DI 01 400, 33 – 4	10/0 3DI 13 HEdi	maximum or stand grow	:h) 3	
SDI = 15 – 40 or 160 - self-thinning)	200 (4-10% or 40-50% of	Maximum SI	OI, 240 is 60% of	Maximum SD	of 400, which is the onset	of 2	Rating:
SDI <15 or >200 (<4%	or > 50%, 240 is 60% of N	laximum SD	of 400, the onse	t of self-thinn	ing)	1	
list of DBHs							
Canopy Overall Eco	logical Assessment						
comments							

Dry & IV	lesic High	llands Pine Woodlands (Mountain Lo	<u>ngleaf) (DMHPWML)</u> EIA datasheet <u>Ope</u>	n Pine	(metrics
Plot ID:		Date:			
Midstory	Fire-Toler	ant Hardwood Cover	Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
2 to 10% c	over of mid	story fire-tolerant hardwoods		4	Raw Value:
10 to 30%,	or <2% co	ver of midstory fire-tolerant hardwoods		3	
>30 to 40%	6 cover of n	nidstory fire-tolerant hardwoods		2	Rating:
>40% cove	r of midsto	ry fire-tolerant hardwoods		1	→ "
Midstory	Fire-Intol	erant Hardwood Cover	Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
<5% cover	of fire-into	lerant hardwood midstory		4	Raw Value:
5 to 10% c	over of fire	intolerant hardwood midstory		3	
>10 to 20%	6 cover of fi	re-intolerant hardwood midstory		2	Rating:
>20% cove	r of fire-int	olerant hardwood midstory		1	\rightarrow $^{\circ}$
Midstory	Overall W	oody Cover	Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
2 to <20%	cover of wo	oody midstory		4	Raw Value:
20-25%, oı	cover <2%	of woody midstory		3	
>25 to 35%	6 cover of w	oody midstory		2	Rating:
>35% cove	r of woody	midstory		1	\rightarrow
Midstory	Overall Ed	cological Assessment			
comment	:S				

Plot ID: Date:		(metrics
Tall Shrub (3-10 feet tall) Cover Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
Shrubs 3-10 feet in height average <15% cover.	4	Raw Valu
Shrubs 3-10 feet in height average 15 to 20% cover.	3	
Shrubs 3-10 feet in height average >20 to 30% cover.	2	Rating:
Shrubs 3-10 feet in height average >30% cover.	1	\rightarrow
Short Shrub (<3 feet tall) Cover Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	•
Shrubs < 3 feet in height average <20% cover in the assessment area	4	Raw Valu
Shrubs < 3 feet in height average 20 to 25% cover in the assessment area	3	
Shrubs < 3 feet in height average >25 to 40% cover in the assessment area	2	Rating:
Shrubs < 3 feet in height average >40% cover in the assessment area	1	\rightarrow
Longleaf Pine Regeneration Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf) -	Rating	
ongleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location	4	Raw Valu
ongleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location	3	
No Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longleaf pine or longleaf pine >10" DBH appresent rapid assessment location	are 2	Rating:
ongleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-producing longleaf pine or any matu ongleaf pine >10" DBH are present at the rapid assessment location	ure 1	/
>10" DBH or cone-pro	oducing lor	ngleaf prese
Longleaf Pine Regeneration Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf) -	Rating	
ongleaf pine regeneration is present in patches across the stand, these patches are 5-15 % of the stand (about 1/2 1/6 of the stand)	^{20 to} 4	Raw Valu
Longleaf pine regeneration is present in patches across the stand, these patches are $1-5\%$ of the stand or >15% of stand (less than $1/20$ or more than $1/6$ of the stand)	the 3	Rating:
ongleaf pine regeneration is very sparse across stand, patches of longleaf pine regeneration are <1% of stand, or coorducing longleaf pine or longleaf pine >10" DBH are present	cone- 2	\rightarrow
ongleaf pine regeneration is apparently absent in stand, and apparently no cone-producing longleaf pine or any mature longleaf pine >10" DBH are present in the stand	1	
>10" DBH or cone-pro	oducing lor	ngleaf prese
Shrub Overall Ecological Assessment		
comments		

Plot ID: Date:	<u>/WIL)</u> EIA datasileet <u>Op</u> i	en Pine	<u>(metrics</u>
Overall Native Herbaceous Ground Cover	Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
>45 to 80% herbaceous cover	rrocalanas (moantam zongicaj)	4	Raw Value:
30-45% or >80% herbaceous cover		3	
15 to <30% herbaceous cover		2	Rating:
<15% herbaceous cover		1	\rightarrow
Native Warm Season Grass Cover	Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf)	Rating	
>25 to 85% cover of all native warm season grasses		4	Raw Value:
20 to 25% or >85% cover of all native warm season grasses		3	
10 to <20% cover of all native warm season grasses		2	Rating:
<10% cover of all native warm season grasses		1	\rightarrow
Invasive Plant Presence/Distribution		Rating	
Invasive nonnative plant species absent		4	Raw Value:
Invasive nonnative plant species present in any stratum but sporadic (<5% cover)		3	
Invasive nonnative plant species in any stratum uncommon (5-10% cover)		2	Rating:
Invasive nonnative plant species in any stratum common (>10% cover)		1	\rightarrow
Herbaceous Indicators of Soil Disturbance		Rating	
Total cover for herbaceous indicators of soil disturbance <2%		4	Raw Value:
Total cover for herbaceous indicators of soil disturbance 2-5%		3	
Total cover for herbaceous indicators of soil disturbance >5-10%		2	Rating:
Total cover for herbaceous indicators of soil disturbance >10%		1	\rightarrow
Groundcover Overall Ecological Assessment			
comments			

Dry & Mesic Highlands Pine Woodlands (Mountain Longleaf) (DMHPWML) EIA datasheet Open Pine (metrics Plot ID: Date: LAN1 **Contiguous Natural Land Cover** Rating Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

Dry & West Hilly Fille Wood	iailus (Divir	HPW) LIA	uatasneet <u>O</u>	pen Pine i	metrics verz.uj		
Plot ID:		Date:					
Event details							
Site Name:		Team:					
GPS Unit:		1					
Datum:			Ecologi	cal System:			
Latitude:	decimal						
Longitude:	degrees decimal						
PDOP:	degrees						
Number of Satellites:							
		Assessi	ment Area/Site	e Description	on:		
Directions to plot:		_					
		Consid	er for EO (che	ck box)?	EO Commen	ts:	
Basal Area of Southern Yellow P	ine Canopy	Trees			Dry & Mesic Hilly Pine Woodlands	Rating	
30-85 ft2/acre basal area of shortlea	f pine (Pinus	echinata) ar	nd/or loblolly pi	ne (Pinus ta	eda)	4	Raw Value:
20 to <30 or >85 to 100 ft2/acre base	al area of sho	rtleaf pine ((Pinus echinata)	and/or lobl	olly pine (Pinus taeda)	3	
10 to <20 or >100 to 115 ft2/acre ba	sal area of sh	ortleaf pine	e (Pinus echinata	a) and/or lob	ololly pine (Pinus taeda)	2	Rating:
<10 or >115 ft2/acre basal area of sh	ortleaf pine ((Pinus echin	ata) and/or lob	lolly pine (Pi	nus taeda)	1	\rightarrow
readings							
Southern Yellow Pine Stand Age	Structure (1	14" cutoff)			Dry & Mesic Hilly Pine Woodlands	Rating	
Basal area ≥20 ft2/acre of loblolly pir	ne and/or sho	ortleaf pine	trees ≥14" DBH	class		4	Raw Value:
Basal area ≥10 ft2/acre of loblolly pir	ne and/or sho	ortleaf pine	trees ≥14" DBH	class		3	
Loblolly pine and/or shortleaf pine to	rees ≥14" DBI	H class are p	oresent, but <10	ft2/acre ba	sal area of those large tre	ees 2	Rating:
No loblolly pine and/or shortleaf pin	e trees ≥14" [DBH are pre	esent			1	\rightarrow
readings							<u> </u>
Southern Yellow Pine Stand Age	Structure (1	12" cutoff)			Dry & Mesic Hilly Pine Woodlands	Rating	
Basal area ≥20 ft2/acre of loblolly pir	ne and/or sho	ortleaf pine	trees ≥12" DBH	class		4	Raw Value:
Basal area ≥10 ft2/acre of loblolly pir	ne and/or sho	ortleaf pine	trees ≥12" DBH	class		3	
Loblolly pine and/or shortleaf pine to	rees ≥12" DBF	H class are p	oresent, but <10	ft2/acre ba	sal area of those large tre	ees 2	Rating:
No loblolly pine and/or shortleaf pin	e trees ≥12" [DBH are pre	esent			1	\rightarrow
readings							
Canopy Hardwood Basal Area					Dry & Mesic Hilly Pine Woodlands	Rating	
≤20 ft2/acre basal area of hardwood	trees					4	Raw Value:
>20 to 30 ft2/acre basal area of hard	wood trees					3	
>30 to 50 ft2/acre basal area of hard	wood trees					2	Rating:
>50 ft2/acre basal area of hardwood	trees					1	\rightarrow
readings							

Dry & Mesic Hilly	<u>Pine Woodlands (DMHPW)</u> EIA datasheet Open Pine (metrics ver2.0)		
Plot ID:	Date:		
Canopy Hardwood	Basal Area - Fire-Intolerant Dry & Mesic Hilly Pine Woodlands	Rating	
≤10 ft2/acre basal are	ea of fire intolerant hardwood trees	4	Raw Value:
>10 to 20 ft2/acre ba	sal area of fire intolerant hardwood trees	3	
>20 to 30 ft2/acre ba	sal area of fire intolerant hardwood trees	2	Rating:
>30 ft2/acre basal are	ea of fire intolerant hardwood trees	1	\rightarrow
readings			
Southern Yellow Pi	ne Canopy Cover Dry & Mesic Hilly Pine Woodlands	Rating	
>25 to 75% canopy co	over of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taeda)	4	Raw Value:
>15 to 25% canopy co taeda)	over or >75 to 85% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus	3	
10-15% canopy cover	or >85 to 95% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taed	a) 2	Rating:
<10% canopy cover o	r >95% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taeda)	1	
Stand Density Inde	X Dry & Mesic Hilly Pine Woodlands	Rating	
SDI = 55 – 155 (12-34	% of Maximum SDI of 450)	4	Raw Value:
SDI = 35 – 55 or 155 -	205 (8-12% or 34-45% of Maximum SDI of 450, 35 – 40% SDI is near maximum of stand growth) 3	
SDI = 20 – 35 or 205 - self-thinning)	225 (4-8% or 45-50% of Maximum SDI, 270 is 60% of Maximum SD of 450, which is the onset of	of 2	Rating:
SDI <20 or >225 (<4%	or > 50%, 270 is 60% of Maximum SD of 450, the onset of self-thinning)	1	/
list of DBHs			
Canopy Overall Eco	ological Assessment		_
comments			

Dry & Mesic Hilly Pine Woodlands (DMHPW) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Dry & Mesic Hilly Pine Woodlands **Midstory Fire-Tolerant Hardwood Cover** Rating 2 to 10% cover of midstory fire-tolerant hardwoods 4 Raw Value: 10 to 20%, or <2% cover of midstory fire-tolerant hardwoods 3 >20 to 35% cover of midstory fire-tolerant hardwoods 2 Rating: >35% cover of midstory fire-tolerant hardwoods 1 Dry & Mesic Hilly Pine Woodlands Rating **Midstory Fire-Intolerant Hardwood Cover** <10% cover of fire-intolerant hardwood midstory 4 Raw Value: ≥10 to 20% cover of fire-intolerant hardwood midstory 3 >20 to 30% cover of fire-intolerant hardwood midstory 2 Rating: >30% cover of fire-intolerant hardwood midstory 1 Dry & Mesic Hilly Pine Woodlands **Midstory Overall Woody Cover** Rating 2 to <20% cover of woody midstory 4 Raw Value: ≥20 to 30%, or <2% cover of woody midstory 3 >30 to 50% cover of woody midstory Rating: >50% cover of woody midstory 1 **Midstory Overall Ecological Assessment** comments

Dry & Mesic Hilly Pine Woodlands (DMHPW) EIA datasheet Open Pi	ne (metrics verz.u)		
Plot ID: Date:			
all Shrub (3-10 feet tall) Cover	Dry & Mesic Hilly Pine Woodlands	Rating	
hrubs 3-10 feet in height average <15% cover.		4	Raw Value
nrubs 3-10 feet in height average 15 to 20% cover.		3	
nrubs 3-10 feet in height average >20 to 30% cover.		2	Rating:
nrubs 3-10 feet in height average >30% cover.		1	\rightarrow
nort Shrub (<3 feet tall) Cover	Dry & Mesic Hilly Pine Woodlands	Rating	
nrubs < 3 feet in height average <20% cover in the assessment area		4	Raw Value
nrubs < 3 feet in height average 20 to 30% cover in the assessment area		3	
nrubs < 3 feet in height average >30 to 45% cover in the assessment area		2	Rating:
nrubs < 3 feet in height average >45% cover in the assessment area		1	\rightarrow
ongleaf Pine Regeneration	Rapid Assessment Location	Rating	<u> </u>
ongleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location		4	Raw Value
ongleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location		3	
o Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longleaf piresent rapid assessment location	ne or longleaf pine >10" DBH ar		Rating:
ongleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-produ ongleaf pine >10" DBH are present at the rapid assessment location	ıcing longleaf pine or any matuı	re 1	
	>10" DBH or cone-prod	ducing lon	gleaf presen
ongleaf Pine Regeneration	Stand Level	Rating	
ongleaf pine regeneration is present in patches across the stand, these patches are /6 of the stand)	5-15 % of the stand (about 1/20	^{O to} 4	Raw Value
ongleaf pine regeneration is present in patches across the stand, these patches are rand (less than 1/20 or more than 1/6 of the stand)	1-5 % of the stand or >15% of t	he 3	Rating:
ongleaf pine regeneration is very sparse across stand, patches of longleaf pine reger roducing longleaf pine or longleaf pine >10" DBH are present	neration are <1% of stand, or co	one- 2	\rightarrow
ongleaf pine regeneration is apparently absent in stand, and apparently no cone-pr lature longleaf pine >10" DBH are present in the stand	oducing longleaf pine or any	1	
	>10" DBH or cone-prod	ducing lon	gleaf presen
hrub Overall Ecological Assessment			
omments			

<u>Dry & Mesic Hilly Pine Woodlands (DMHPW)</u> EIA datasheet (Open Pine (metrics ver2.0)		
Plot ID: Date: Date:	Dry & Mesic Hilly Pine Woodlands	Datina	
	5., a	Rating	
35-80% herbaceous cover			Raw Value:
20 to <35% or >80% herbaceous cover		3	
10 to <20% herbaceous cover		2	Rating:
<10% herbaceous cover		1	\rightarrow \Box
Native Warm Season Grass Cover	Dry & Mesic Hilly Pine Woodlands	Rating	
25- 100% cover of all native warm season grasses		4	Raw Value:
>15 to <25% cover of all native warm season grasses		3	
10-15% cover of all native warm season grasses		2	Rating:
<10% cover of all native warm season grasses		1	\rightarrow
Invasive Plant Presence/Distribution		Rating	
Invasive nonnative plant species absent		4	Raw Value:
Invasive nonnative plant species present in any stratum but sporadic (<5%	cover)	3	
Invasive nonnative plant species in any stratum uncommon (5-10% cover)		2	Rating:
Invasive nonnative plant species in any stratum common (>10% cover)		1	\rightarrow
Herbaceous Indicators of Soil Disturbance		Rating	
Total cover for herbaceous indicators of soil disturbance <2%		4	Raw Value:
Total cover for herbaceous indicators of soil disturbance 2-5%		3	
Total cover for herbaceous indicators of soil disturbance >5-10%		2	Rating:
Total cover for herbaceous indicators of soil disturbance >10%		1	\rightarrow
Groundcover Overall Ecological Assessment			
comments			

Dry & Mesic Hilly Pine Woodlands (DMHPW) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: **Contiguous Natural Land Cover Rating** LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

DI Y & IVIESIC	Longlear Fille Woo	<u>Julanus (Di</u>	VILP VV)	LIA uatasileet	Open Fine (i	iletrics verz.uj		
Plot ID:		Da	ate:					
Event details								
Site Name:			Team:					
GPS Unit:								
Datum:				Ecologica	ıl System:			
Latitude:		decimal						
Longitude:		degrees decimal						
PDOP:		degrees						
Number of Satellites:								
			Assess	ment Area/Site	Description:			
Directions to p	olot:		.					
			Consid	ler for EO (check	(box)?	EO Comments:		
Pacal Area of 9	Southern Yellow Pine	Canony Tr	205			Dry & Mesic Longleaf Pine	Rating	
1	pasal area of longleaf pir					Woodlands	4	Raw Value:
	to 90 ft2/acre basal ar			inus palustris)			3	Raw value.
	to 105 ft2/acre basal a						2	Rating:
<10 or >105 ft2/	acre basal area of longl	leaf pine (Pin	ius palust	tris)			1	Adding.
readings								
Southern Yello	ow Pine Stand Age St	ructure (14	" cutoff)		Dry & Mesic Longleaf Pine Woodlands	Rating	
	t2/acre of longleaf pine						4	Raw Value:
	t2/acre of longleaf pine			<u>. </u>	<u> </u>		3	
pine is present.	ees ≥14" DBH class are e trees ≥14" DBH nor fla	•			those large tree	s. No flat-top longleaf	2	Rating:
readings								pine present
Southern Yello	ow Pine Stand Age St	ructure (12	" cutoff)		Dry & Mesic Longleaf Pine Woodlands	Rating	
Basal area ≥20 f	t2/acre of longleaf pine	e trees ≥12" [DBH class	or flat-top longle	af pine is presen		4	Raw Value:
Basal area ≥10 f	t2/acre of longleaf pine	trees ≥12" [DBH class	. No flat-top longl	eaf pine is prese	nt.	3	
Longleaf pine tropine is present.	ees ≥12" DBH class are	present, but	<10 ft2/a	acre basal area of	those large tree	s. No flat-top longleaf	2	Rating:
No longleaf pine	e trees ≥12" DBH nor fla	it-top longlea	af pine ar	e present		_	1	´ <u>L</u>
readings		<i>i</i> I				ĺ	flat-top	pine present

Dry & Iviesic Long	gleaf Pine Woodlands (DMLPW) EIA datasheet Open Pine (metrics ver2.0)		
Plot ID:	Date:		
Canopy Hardwood	Basal Area Dry & Mesic Longleaf Pine Woodlands	Rating	
≤5 ft2/acre basal area	of hardwood trees	4	Raw Value:
>5 to 15 ft2/acre basa	al area of hardwood trees	3	
>15 to 25 ft2/acre bas	sal area of hardwood trees	2	Rating:
>25 ft2/acre basal are	a of hardwood trees	1	\rightarrow
readings			
Canopy Hardwood	Basal Area - Fire-Intolerant Dry & Mesic Longleaf Pine Woodlands	Rating	
0 ft2/acre basal area o	of fire intolerant hardwood trees	4	Raw Value:
>0 to 5 ft2/acre basal	area of fire intolerant hardwood trees	3	
>5 to 10 ft2/acre basa	al area of fire intolerant hardwood trees	2	Rating:
>10 ft2/acre basal are	ea of fire intolerant hardwood trees	1	\rightarrow
readings			
Southern Yellow Pi	ne Canopy Cover Dry & Mesic Longleaf Pine Woodlands	Rating	
30-65% canopy cover	of longleaf pine (Pinus palustris)	4	Raw Value:
	cover or >65 to 75% canopy cover of longleaf pine (Pinus palustris)	3	
10-20% canopy cover	or >75 to 85% canopy cover of longleaf pine (Pinus palustris)	2	Rating:
<10% cover or >85% c	canopy cover of longleaf pine (Pinus palustris)	1	\rightarrow
Stand Density Index	Dry & Mesic Longleaf Pine		
Stand Density mac	X Style Mest English Time Woodlands	Rating	
•		Rating 4	Raw Value:
SDI = 60 – 125 (15 - 31	Woodlands	4	Raw Value:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 3 SDI = 20 - 40 or 160 -	1% of Maximum SDI of 400)	4 h) 3	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 2 SDI = 20 - 40 or 160 - self-thinning)	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset	4 h) 3 of 2	
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 32 SDI = 20 - 40 or 160 - 32 SDI < 20 or > 200 (< 5%	Woodlands 1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt	4 h) 3	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 2 SDI = 20 - 40 or 160 - self-thinning)	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset	4 h) 3 of 2	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 32 SDI = 20 - 40 or 160 - 32 SDI < 20 or > 200 (< 5%	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset	4 h) 3 of 2	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 32 SDI = 20 - 40 or 160 - 32 SDI < 20 or > 200 (< 5%	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset	4 h) 3 of 2	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 32 SDI = 20 - 40 or 160 - 32 SDI < 20 or > 200 (< 5%	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset	4 h) 3 of 2	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 32 SDI = 20 - 40 or 160 - 32 SDI < 20 or > 200 (< 5%	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset	4 h) 3 of 2	Rating:
SDI = 60 - 125 (15 - 31 SDI = 40 - 60 or 125 - 32 SDI = 20 - 40 or 160 - 32 SDI < 20 or > 200 (< 5%	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset or > 50%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	4 h) 3 of 2	Rating:
SDI = 60 – 125 (15 - 31 SDI = 40 – 60 or 125 - 2 SDI = 20 – 40 or 160 - self-thinning) SDI <20 or >200 (<5%) list of DBHs	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset or > 50%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	4 h) 3 of 2	Rating:
SDI = 60 – 125 (15 - 31 SDI = 40 – 60 or 125 - 2 SDI = 20 – 40 or 160 - self-thinning) SDI <20 or >200 (<5% list of DBHs	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset or > 50%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	4 h) 3 of 2	Rating:
SDI = 60 – 125 (15 - 31 SDI = 40 – 60 or 125 - 2 SDI = 20 – 40 or 160 - self-thinning) SDI <20 or >200 (<5% list of DBHs	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset or > 50%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	4 h) 3 of 2	Rating:
SDI = 60 – 125 (15 - 31 SDI = 40 – 60 or 125 - 2 SDI = 20 – 40 or 160 - self-thinning) SDI <20 or >200 (<5% list of DBHs	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset or > 50%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	4 h) 3 of 2	Rating:
SDI = 60 – 125 (15 - 31 SDI = 40 – 60 or 125 - 2 SDI = 20 – 40 or 160 - self-thinning) SDI <20 or >200 (<5% list of DBHs	1% of Maximum SDI of 400) 160 (10-15% or 31-40% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growt 200 (5-10% or 40-50% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset or > 50%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	4 h) 3 of 2	Rating:

Dry & Mesic Longleaf Pine Woodlands (DMLPW) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Dry & Mesic Longleaf Pine **Midstory Fire-Tolerant Hardwood Cover** Rating Woodlands 2 to 15% cover of midstory fire-tolerant hardwoods 4 Raw Value: 15 to <20%, or <2% cover of midstory fire-tolerant hardwoods 3 20 to 25% cover of midstory fire-tolerant hardwoods 2 Rating: >25% cover of midstory fire-tolerant hardwoods 1 Dry & Mesic Longleaf Pine **Rating Midstory Fire-Intolerant Hardwood Cover** Woodlands <5% cover of fire-intolerant hardwood midstory 4 Raw Value: 5 to 10% cover of fire-intolerant hardwood midstory 3 >10 to 20% cover of fire-intolerant hardwood midstory 2 Rating: >20% cover of fire-intolerant hardwood midstory 1 Dry & Mesic Longleaf Pine **Midstory Overall Woody Cover** Rating Woodlands 2 to <15% cover of woody midstory 4 Raw Value: 15 - 25%, or <2% cover of woody midstory 3 >25 to 35% cover of woody midstory Rating: >35% cover of woody midstory 1 **Midstory Overall Ecological Assessment** comments

Dry & Mesic Longleaf Pine Woodlands (DMLPW) EIA datasheet Open Pine (m	<u>ietrics verz.uj</u>		
Plot ID: Date:			
Tall Shrub (3-10 feet tall) Cover	Dry & Mesic Longleaf Pine Woodlands	Rating	
Shrubs 3-10 feet in height average <10% cover.		4	Raw Value:
Shrubs 3-10 feet in height average 10 to 20% cover.		3	
Shrubs 3-10 feet in height average >20 to 30% cover.		2	Rating:
Shrubs 3-10 feet in height average >30% cover.		1	\rightarrow \square
Short Shrub (<3 feet tall) Cover	Dry & Mesic Longleaf Pine Woodlands	Rating	
Shrubs < 3 feet in height average <30% cover in the assessment area		4	Raw Value:
Shrubs < 3 feet in height average 30 to 35% cover in the assessment area		3	
Shrubs < 3 feet in height average >35 to 45% cover in the assessment area		2	Rating:
Shrubs < 3 feet in height average >45% cover in the assessment area		1	\rightarrow \Box
Longleaf Pine Regeneration	Rapid Assessment Location	Rating	
Longleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location		4	Raw Value:
Longleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location		3	
No Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longleaf pine or long present rapid assessment location	leaf pine >10" DBH a	re 2	Rating:
Longleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-producing longle longleaf pine >10" DBH are present at the rapid assessment location	eaf pine or any matu	re 1	
	>10" DBH or cone-pro	ducing lon	gleaf present
Longleaf Pine Regeneration	Stand Level	Rating	
Longleaf pine regeneration is present in patches across the stand, these patches are $5-15\%$ of $1/6$ of the stand)	the stand (about 1/2	^{0 to} 4	Raw Value:
Longleaf pine regeneration is present in patches across the stand, these patches are 1-5 $\%$ of the stand (less than 1/20 or more than 1/6 of the stand)	ne stand or >15% of t	the 3	Rating:
Longleaf pine regeneration is very sparse across stand, patches of longleaf pine regeneration a producing longleaf pine or longleaf pine >10" DBH are present	re <1% of stand, or co	one- 2	→
Longleaf pine regeneration is apparently absent in stand, and apparently no cone-producing lo mature longleaf pine $>$ 10" DBH are present in the stand	ngleaf pine or any	1	
	>10" DBH or cone-pro	ducing lon	gleaf present
Shrub Overall Ecological Assessment			
comments			

Plot ID: Date:			
Overall Native Herbaceous Ground Cover	Dry & Mesic Longleaf Pine Woodlands	Rating	
40-98% herbaceous cover		4	Raw Value:
30 to <40% or >98% herbaceous cover		3	
20 to <30% herbaceous cover		2	Rating:
<20% herbaceous cover		1	\rightarrow $^{\circ}$
Native Warm Season Grass Cover	Dry & Mesic Longleaf Pine Woodlands	Rating	
>25 to 97% cover of all native warm season grasses		4	Raw Value:
>15 to 25% or >97% cover of all native warm season grasses		3	
10-15% cover of all native warm season grasses		2	Rating:
<10% cover of all native warm season grasses		1	\rightarrow $^{\circ}$
Native Wiry Graminoid Cover	Dry & Mesic Longleaf Pine Woodlands	Rating	
20-95% cover of all wiry graminoids		4	Raw Value:
10 to <20% or >95% cover of all wiry graminoids		3	
2 to <10% cover of all wiry graminoids		2	Rating:
<2% cover of all wiry graminoids		1	\rightarrow $^{\circ}$
Invasive Plant Presence/Distribution		Rating	
Invasive nonnative plant species absent		4	Raw Value:
Invasive nonnative plant species present in any stratum but sporadic (<5% cover)		3	
invasive normative plant species present in any stratum but sporadic (<5% cover)		3	
		2	Rating:
Invasive nonnative plant species in any stratum uncommon (5-10% cover)			Rating:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover)		2	Rating:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance		2 1 Rating	Rating:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2%		2 1 Rating	→ <u></u> _
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5%		2 1 Rating 4	Raw Value:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10%		2 1 Rating 4 3	→ <u></u> _
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10%		2 1 Rating 4 3	Raw Value:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		2 1 Rating 4 3	Raw Value:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		2 1 Rating 4 3	Raw Value:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		2 1 Rating 4 3	Raw Value:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment comments		2 1 Rating 4 3	Raw Value:
Invasive nonnative plant species in any stratum uncommon (5-10% cover) Invasive nonnative plant species in any stratum common (>10% cover) Herbaceous Indicators of Soil Disturbance Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		2 1 Rating 4 3	Raw Value

Dry & Mesic Longleaf Pine Woodlands (DMLPW) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: **Contiguous Natural Land Cover Rating** LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

Mesic Longleaf Pine Flatwoods	(MLPF) EIA	dat <u>as</u> h	neet <u>Open Pi</u> ne	e (metrics ve	er2.0)		
Plot ID:	Da	ite:					
Event details							
Site Name:		Team:					
GPS Unit:							
Datum:			Ecologica	l System:			1
Latitude:	decimal						
Longitude:	degrees decimal						
PDOP:	degrees						
Number of Satellites:	1						
		Assessr	ment Area/Site [Description:			
Directions to plot:							
		Conside	er for EO (check	box)?	EO Comments:		
Basal Area of Southern Yellow Pin	e Canopy Tre	ees		٨	Mesic Longleaf Pine Flatwoods R	ating	
30-80 ft2/acre basal area of longleaf pi (Pinus elliottii var. densa)	ine (Pinus palı	ustris), sla	ash pine (Pinus elli	iottii), and/or s	South Florida slash pine	4	Raw Value:
20 to <30 or >80 to 90 ft2/acre basal a	_	f pine (Pi	nus palustris), slas	sh pine (Pinus e	elliottii), and/or South	3	
Florida slash pine (Pinus elliottii var. de 10 to <20 or >90 to 105 ft2/acre basal		of pipe (E	Dinus palustris) sla	ach nina (Dinus	alliattii) and/or South		Rating:
Florida slash pine (Pinus elliottii var. de	_	ai pilie (r	ilius palustrisį, sie	asii piile (Fiilus	s emottily, and/or south	2	′ ⊔
<10 or >105 ft2/acre basal area of long pine (Pinus elliottii var. densa)	gleaf pine (Pin	us palusti	ris), slash pine (Pir	nus elliottii), ar	nd/or South Florida slash	1	
readings							
Southern Yellow Pine Stand Age S	tructure (14'	' cutoff)		Λ	Mesic Longleaf Pine Flatwoods R	ating	
Basal area ≥20 ft2/acre of longleaf pine pine or South Florida slash pine is pres		r South F	lorida slash pine t	rees ≥14" DBH	I class or flat-top longleaf	4	Raw Value:
Basal area ≥10 ft2/acre of longleaf pind present.	e or South Flo	rida slash	n pine trees ≥14″ [DBH class. No f	lat-top longleaf pine	3	Rating:
Longleaf pine or South Florida slash pin trees. No flat-top longleaf pine present		DBH class	s are present, but	<10 ft2/acre b	asal area of those large	2	\rightarrow
No longleaf pine or South Florida slash present		4" DBH n	or flat-top longlea	af pine or Sout	h Florida slash pine are	1	
readings					1	lat-tor	pine present

Mesic Longleat Pi	ine Flatwoods (MLPF)		sheet <u>Open Pin</u>	ie (metrics ver2.	<u>0)</u>		
	ne Stand Age Structure	Date:	F)	Mesic	Longleaf Pine Flatwoods	Rating	
T	re of longleaf pine, slash pi	•	•	troos >12" DPH cla	ss or flat top longle		
pine or South Florida		ile or south	riorida siasii pilie	tilees 212 DBH Cla	ss of flat-top longit	ear 4	Raw Value:
	re of longleaf pine or South	Florida slas	sh pine trees ≥12"	DBH class. No flat-	op longleaf pine	3	
present.							Rating:
trees. No flat-top long	h Florida slash pine trees ≥ Pleaf nine present	12" DBH clas	ss are present, bu	it <10 ft2/acre basa	area of those large	e 2	7 <u> </u>
	outh Florida slash pine tree	s ≥12" DBH	nor flat-top longle	eaf pine or South Fl	orida slash pine are	1	
present					· 		
readings						flat-top	pine present
Canopy Hardwood	Basal Area			Mesic	Longleaf Pine Flatwoods	Rating	
≤5 ft2/acre basal area	of hardwood trees					4	Raw Value:
>5 to 15 ft2/acre basa	al area of hardwood trees					3	
>15 to 25 ft2/acre bas	sal area of hardwood trees					2	Rating:
>25 ft2/acre basal are	a of hardwood trees					1	\rightarrow $ $
readings							
Canopy Hardwood	Basal Area - Fire-Intoler	ant	_	Mesic	Longleaf Pine Flatwoods	Rating	
0 ft2/acre basal area o	of fire intolerant hardwood	l trees				4	Raw Value:
>0 to 5 ft2/acre basal	area of fire intolerant hard	lwood trees	3			3	
>5 to 10 ft2/acre basa	al area of fire intolerant ha	dwood tree	es			2	Rating:
>10 ft2/acre basal are	ea of fire intolerant hardwo	od trees				1	\rightarrow
readings							
Southern Yellow Pir	ne Canopy Cover	_		Mesic	Longleaf Pine Flatwoods	Rating	
30 to 65% canopy cov (Pinus elliottii var. der	ver of longleaf pine (Pinus p nsa)	alustris), sla	ash pine (Pinus ell	iottii), and/or South	ı Florida slash pine	4	Raw Value:
	over or >65 to 75% canopy slash pine (Pinus elliottii va		gleaf pine (Pinus	palustris), slash pine	e (Pinus elliottii),	3	Rating:
·	over or >75 to 85% canopy slash pine (Pinus elliottii va		gleaf pine (Pinus	palustris), slash pine	e (Pinus elliottii),	2	→
<10% canopy cover or Florida slash pine (Pin	r >85% canopy cover of lon nus elliottii var. densa)	gleaf pine (F	Pinus palustris), sl	ash pine (Pinus ellic	ottii), and/or South	1	
Stand Density Index	x			Mesic	Longleaf Pine Flatwoods	Rating	
SDI = 60 – 125 (15-319	% of Maximum SDI of 400)					4	Raw Value:
SDI = 40 – 60 or 125 -1	160 (10-15% or 31-40% of I	Maximum SI	DI of 400, 35 – 40	% SDI is near maxim	num of stand growt		naw varae.
SDI = 20 – 40 or 160 - self-thinning)	190 (5-10% or 40-48% of N	/laximum SD	OI, 240 is 60% of N	Maximum SD of 400,	which is the onset	of 2	Rating:
SDI <20 or >190 (<5%	or > 48%, 240 is 60% of Ma	aximum SD o	of 400, the onset	of self-thinning)		1	-
list of DBHs							

Mesic Longleaf P	<u>ine Flatwoods (MLPF)</u>	EIA data	asheet <u>Open Pi</u>	ne (metrics ver2	<u>2.0)</u>	
Plot ID:		Date:				
Canopy Overall Eco	logical Assessment					
comments						

Mesic Longleaf Pine Flatwoods (MLPF) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Mesic Longleaf Pine Flatwoods **Midstory Fire-Tolerant Hardwood Cover** Rating 2 to 5% cover of midstory fire-tolerant hardwoods 4 Raw Value: >5 to 10%, or <2% cover of midstory fire-tolerant hardwoods 3 >10 to 15% cover of midstory fire-tolerant hardwoods 2 Rating: >15% cover of midstory fire-tolerant hardwoods 1 Mesic Longleaf Pine Flatwoods **Rating Midstory Fire-Intolerant Hardwood Cover** 0% cover of fire-intolerant hardwood midstory 4 Raw Value: >0 to 5% cover of fire-intolerant hardwood midstory 3 >5 to 15% cover of fire-intolerant hardwood midstory 2 Rating: >15% cover of fire-intolerant hardwood midstory 1 Mesic Longleaf Pine Flatwoods **Midstory Overall Woody Cover** Rating 2 to <5% cover of woody midstory 4 Raw Value: 5 to 15%, or <2% cover of woody midstory 3 >15 to 30% cover of woody midstory Rating: >30% cover of woody midstory 1 **Midstory Overall Ecological Assessment** comments

Mesic Longleaf Pine Flatwoods (MLPF) EIA datasheet Open Pine	(metrics ver2.0)	
Plot ID: Date:		
all Shrub (3-10 feet tall) Cover	Mesic Longleaf Pine Flatwoods Rating	
hrubs 3-10 feet in height average <5% cover.	4 .	Raw Value
hrubs 3-10 feet in height average 5 to <15% cover.	3	
hrubs 3-10 feet in height average 15 to 25% cover.	2	Rating:
hrubs 3-10 feet in height average >25% cover.	1	\rightarrow
hort Shrub (<3 feet tall) Cover	Mesic Longleaf Pine Flatwoods Rating	
hrubs < 3 feet in height average <30% cover in the assessment area	4 .	Raw Value
nrubs < 3 feet in height average 30 to <40% cover in the assessment area	3	
nrubs < 3 feet in height average 40 to 45% cover in the assessment area	2	Rating:
nrubs < 3 feet in height average >45% cover in the assessment area	1	\rightarrow
ongleaf Pine Regeneration	Rapid Assessment Location Rating	_ _
ongleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location	4 .	Raw Value
ongleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location	3	
o Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longles resent rapid assessment location	af pine or longleaf pine >10" DBH are 2	Rating:
ongleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-pongleaf pine >10" DBH are present at the rapid assessment location	roducing longleaf pine or any mature 1	′ L
	>10" DBH or cone-producing long	gleaf presen
ongleaf Pine Regeneration	Stand Level Rating	
ongleaf pine regeneration is present in patches across the stand, these patches /6 of the stand)	are 5-15 % of the stand (about 1/20 to 4	Raw Value
ongleaf pine regeneration is present in patches across the stand, these patches rand (less than 1/20 or more than 1/6 of the stand)	are 1-5 % of the stand or >15% of the 3	Rating:
ongleaf pine regeneration is very sparse across stand, patches of longleaf pine r roducing longleaf pine or longleaf pine >10" DBH are present	regeneration are <1% of stand, or cone- 2	\rightarrow Γ
ongleaf pine regeneration is apparently absent in stand, and apparently no con nature longleaf pine >10" DBH are present in the stand	ne-producing longleaf pine or any	
	>10" DBH or cone-producing long	gleaf presen
hrub Overall Ecological Assessment		
omments		

Mesic Longleaf Pine Flatwoods (MLPF) EIA datasheet Open Pine (metr	ics ver2.0 <u>1</u>	
Plot ID: Date:	Mesic Longleaf Pine Flatwoods	
Overall Native Herbaceous Ground Cover	iviesic Longieuj Pine Piatwoods	Rating
40-98% herbaceous cover		4 Raw Val
30 to <40% or >98% herbaceous cover		3
20 to <30% herbaceous cover		2 Rating
<20% herbaceous cover		1 →
Native Warm Season Grass Cover	Mesic Longleaf Pine Flatwoods	Rating
>25 to 97% cover of all native warm season grasses		4 Raw Val
>15 to 25% or >97% cover of all native warm season grasses		3
10-15% cover of all native warm season grasses		2 Rating
<10% cover of all native warm season grasses		1 → °
Native Wiry Graminoid Cover	Mesic Longleaf Pine Flatwoods	Rating
20-95% cover of all wiry graminoids		4 Raw Val
10 to <20% or >95% cover of all wiry graminoids		3
2 to <10% cover of all wiry graminoids		2 Rating
<2% cover of all wiry graminoids		1
Invasive Plant Presence/Distribution		Rating
Invasive nonnative plant species absent		4 Raw Val
Invasive nonnative plant species present in any stratum but sporadic (<5% cover)		3
Invasive nonnative plant species in any stratum uncommon (5-10% cover)		2 Rating:
Invasive nonnative plant species in any stratum common (>10% cover)		1 >
Herbaceous Indicators of Soil Disturbance		Dating
		Rating
Total cover for herbaceous indicators of soil disturbance <2%		4 Raw Val
Total cover for herbaceous indicators of soil disturbance <2% Total cover for herbaceous indicators of soil disturbance 2-5%		
		4 Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5%		4 Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10%		4 Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10%		4 Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		A Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		A Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		A Raw Val
Total cover for herbaceous indicators of soil disturbance 2-5% Total cover for herbaceous indicators of soil disturbance >5-10% Total cover for herbaceous indicators of soil disturbance >10% Groundcover Overall Ecological Assessment		A Raw Val

Mesic Longleaf Pine Flatwoods (MLPF) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: **Contiguous Natural Land Cover Rating** LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

Upper Coastal Plain Pine F	latwoods (UCPPF)	EIA datasneet <u>Open P</u>	ine (metrics ver2.0)		
Plot ID:	Date:				
Event details					
Site Name:	Tea	am:			
GPS Unit:					
Datum:	\top	Ecological Sy	/stem:		
Latitude:	decimal				
Longitude:	degrees decimal				
PDOP:	degrees				
Number of Satellites:	_				
	As	sessment Area/Site Des	scription:		
Directions to plot:					
	Co	onsider for EO (check bo	ex)? EO Comments	;:	
Basal Area of Southern Yellov	w Pine Canopy Trees		Upper Coastal Plain Pine Flatwoods	Rating	
30-80 ft2/acre basal area of short	tleaf pine (Pinus echina	ta) and/or loblolly pine (Pi	inus taeda)	4	Raw Value:
20 to <30 or >80 to 90 ft2/acre ba	asal area of shortleaf pi	ine (Pinus echinata) and/o	r loblolly pine (Pinus taeda)	3	
10 to <20 or >90 to 110 ft2/acre l	basal area of shortleaf p	pine (Pinus echinata) and/	or loblolly pine (Pinus taeda)	2	Rating:
<10 or >110 ft2/acre basal area o	of shortleaf pine (Pinus o	echinata) and/or loblolly p	oine (Pinus taeda)	1	\rightarrow
readings					
Southern Yellow Pine Stand A	ge Structure (14" cu	toff)	Upper Coastal Plain Pine Flatwoods	Rating	
Basal area ≥20 ft2/acre of loblolly	y pine and/or shortleaf	pine trees ≥14" DBH class		4	Raw Value:
Basal area ≥10 ft2/acre of loblolly	y pine and/or shortleaf	pine trees ≥14" DBH class		3	
Loblolly pine and/or shortleaf pir	ne trees ≥14" DBH class	are present, but <10 ft2/a	acre basal area of those large tree	es 2	Rating:
No loblolly pine and/or shortleaf	pine trees ≥14" DBH ar	e present		1	\rightarrow
readings					
Southern Yellow Pine Stand A	ge Structure (12" cu	toff)	Upper Coastal Plain Pine Flatwoods	Rating	
Basal area ≥20 ft2/acre of loblolly	y pine and/or shortleaf	pine trees ≥12" DBH class		4	Raw Value:
Basal area ≥10 ft2/acre of loblolly	y pine and/or shortleaf	pine trees ≥12" DBH class		3	
Loblolly pine and/or shortleaf pir	ne trees ≥12" DBH class	are present, but <10 ft2/a	acre basal area of those large tree		Rating:
No loblolly pine and/or shortleaf	pine trees ≥12" DBH ar	e present		1	\rightarrow
readings					
Canopy Hardwood Basal Area	3		Upper Coastal Plain Pine Flatwoods	Rating	
≤20 ft2/acre basal area of hardw	ood trees			4	Raw Value:
>20 to 30 ft2/acre basal area of h	nardwood trees			3	
>30 to 50 ft2/acre basal area of hardwood trees				2	Rating:
>50 ft2/acre basal area of hardwo	ood trees			1	→ nating.
readings					

<u>Upper Coastal Plain Pine Flatwoods (UCPPF)</u> EIA datasheet <u>Open Pine (metrics ver2.0)</u>		
Plot ID: Date:		
Canopy Hardwood Basal Area - Fire-Intolerant **Upper Coastal Plain Pine Flatwoods** **Upper Coastal Plain Pine Flatwoods** **The Coastal Plain	Rating	
≤10 ft2/acre basal area of fire intolerant hardwood trees	4	Raw Value:
>10 to 20 ft2/acre basal area of fire intolerant hardwood trees	3	
>20 to 30 ft2/acre basal area of fire intolerant hardwood trees	2	Rating:
>30 ft2/acre basal area of fire intolerant hardwood trees	1	\rightarrow
readings		
Southern Yellow Pine Canopy Cover Upper Coastal Plain Pine Flatwoods	Rating	
>25 to 70% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taeda)	4	Raw Value:
>15 to 25% canopy cover or >70 to 80% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taeda)	3	
10 to 15% canopy cover or >80 to 90% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taeda)	2	Rating:
<10% canopy cover or >90% canopy cover of shortleaf pine (Pinus echinata) and/or loblolly pine (Pinus taeda)	1	
Stand Density Index Upper Coastal Plain Pine Flatwoods	Rating	
SDI = 55 – 145 (12-32% of Maximum SDI of 450)	4	Raw Value:
SDI = 35 – 55 or 145 -180 (8-12% or 32-40% of Maximum SDI of 450, 35 – 40% SDI is near maximum of stand grow	th) 3	
SDI = 20 - 35 or $180 - 225$ (4-8% or 40-50% of Maximum SDI, 270 is 60% of Maximum SD of 450, which is the onset self-thinning)	t of 2	Rating:
SDI <20 or >225 (<4% or > 50%, 270 is 60% of Maximum SD of 450, the onset of self-thinning)	1	
list of DBHs		
Canopy Overall Ecological Assessment		
comments		

Upper Coastal Plain Pine Flatwoods (UCPPF) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Upper Coastal Plain Pine Flatwoods **Midstory Fire-Tolerant Hardwood Cover** Rating 2 to 10% cover of midstory fire-tolerant hardwoods 4 Raw Value: 10 to 20%, or <2% cover of midstory fire-tolerant hardwoods 3 >20 to 35% cover of midstory fire-tolerant hardwoods 2 Rating: >35% cover of midstory fire-tolerant hardwoods 1 Upper Coastal Plain Pine Flatwoods **Rating Midstory Fire-Intolerant Hardwood Cover** <15% cover of fire-intolerant hardwood midstory 4 Raw Value: 15 to 25% cover of fire-intolerant hardwood midstory 3 >25 to 35% cover of fire-intolerant hardwood midstory 2 Rating: >35% cover of fire-intolerant hardwood midstory 1 Upper Coastal Plain Pine Flatwoods **Midstory Overall Woody Cover** Rating 2 to <20% cover of woody midstory 4 Raw Value: 20 to 30%, or <2% cover of woody midstory 3 >30 to 50% cover of woody midstory Rating: >50% cover of woody midstory 1 **Midstory Overall Ecological Assessment** comments

<u>Upper Coastal Plain Pine Flatwoods (UCPPF)</u> EIA datasheet <u>Open Pine (metrics ver2.0)</u>	
Plot ID: Date:	,
Tall Shrub (3-10 feet tall) Cover Upper Coastal Plain Pine Flatwo	roods Rating
Shrubs 3-10 feet in height average <15% cover.	4 Raw Value:
Shrubs 3-10 feet in height average 15 to 20% cover.	3
Shrubs 3-10 feet in height average >20 to 30% cover.	2 Rating:
Shrubs 3-10 feet in height average >30% cover.	1 → "
Short Shrub (<3 feet tall) Cover Upper Coastal Plain Pine Flatwo	roods Rating
Shrubs < 3 feet in height average <20% cover in the assessment area	4 Raw Value:
Shrubs < 3 feet in height average 20 to 30% cover in the assessment area	3
Shrubs < 3 feet in height average >30 to 45% cover in the assessment area	2 Rating:
Shrubs < 3 feet in height average >45% cover in the assessment area	1
Longleaf Pine Regeneration Rapid Assessment Local	ation Rating
Longleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location	4 Raw Value:
Longleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location	3
No Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longleaf pine or longleaf pine >10" D	BH are 2 Rating:
present rapid assessment location	\rightarrow
Longleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-producing longleaf pine or any r longleaf pine >10" DBH are present at the rapid assessment location	mature 1
>10" DBH or cone	e-producing longleaf present
Longleaf Pine Regeneration Stand L	Level Rating
Longleaf pine regeneration is present in patches across the stand, these patches are $5-15\%$ of the stand (about $1/6$ of the stand)	t 1/20 to 4 Raw Value:
Longleaf pine regeneration is present in patches across the stand, these patches are $1-5\%$ of the stand or >15% stand (less than $1/20$ or more than $1/6$ of the stand)	% of the Rating:
Longleaf pine regeneration is very sparse across stand, patches of longleaf pine regeneration are <1% of stand, producing longleaf pine or longleaf pine >10" DBH are present	, or cone- $_2$ \rightarrow
Longleaf pine regeneration is apparently absent in stand, and apparently no cone-producing longleaf pine or a mature longleaf pine >10" DBH are present in the stand	1
>10" DBH or cone	e-producing longleaf present
Shrub Overall Ecological Assessment	
comments	

Upper Coastal Plain Pine Flatwoods (UCPPF) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Upper Coastal Plain Pine Flatwoods **Overall Native Herbaceous Ground Cover** Rating 35-80% herbaceous cover 4 Raw Value: 20 to <35% or >80% herbaceous cover 3 10 to <20% herbaceous cover 2 Rating: <10% herbaceous cover 1 Upper Coastal Plain Pine Flatwoods **Native Warm Season Grass Cover** Rating >25% cover of all native warm season grasses 4 Raw Value: 20 to 25% cover of all native warm season grasses 3 10 to <20% cover of all native warm season grasses 2 Rating: <10% cover of all native warm season grasses 1 **Invasive Plant Presence/Distribution** Rating Invasive nonnative plant species absent 4 Raw Value: Invasive nonnative plant species present in any stratum but sporadic (<5% cover) 3 Invasive nonnative plant species in any stratum uncommon (5-10% cover) Rating: Invasive nonnative plant species in any stratum common (>10% cover) 1 Herbaceous Indicators of Soil Disturbance Rating Total cover for herbaceous indicators of soil disturbance <2% 4 Raw Value: Total cover for herbaceous indicators of soil disturbance 2-5% 3 Total cover for herbaceous indicators of soil disturbance >5-10% Rating: Total cover for herbaceous indicators of soil disturbance >10% **Groundcover Overall Ecological Assessment** comments

<u>Upper Coastal Plain Pine Flatwoods (UCPPF)</u> EIA datasheet <u>Open Pine (metrics ver2.0)</u> Plot ID: Date: **Contiguous Natural Land Cover Rating** LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

1

wet Longi	edi & Sidsii Fille Fidu	woous &	Savaii	ilas (VVLSPFS)	IA uatasileet <u>c</u>	pen Fine (metrics	verz.u	L
Plot ID:		1	Date:					
Event detai	ls							
Site Name:			Tear	n:				
GPS Unit:								
Datum:				Ecolog	gical System:			
Latitude:		decimal						
Longitude:		degrees decimal						
PDOP:		degrees						
Number of Satellites:								
		_	Asse	essment Area/S	te Description:			
Directions to	plot:		_					
			Con	sider for EO (ch	eck box)?	EO Comments	:	
Basal Area d	of Southern Yellow Pine	e Canopy 1	rees			Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
	e basal area of longleaf pi	ne (Pinus p	alustris)), slash pine (Pinu	s elliottii), and/or S	South Florida slash pind	e 4	Raw Value:
(Pinus elliottii ≥10 to <20 or	>80 to <90 ft2/acre basal	area of lon	gleaf pi	ine (Pinus palustri	s), slash pine (Pinu	ıs elliottii). or South	3	
Florida slash ı	oine (Pinus elliottii var. de	nsa)				· 		Rating:
) to <100 ft2/acre basal ar nus elliottii var. densa)	ea of longle	eaf pine	e (Pinus palustris),	slash pine (Pinus e	elliottii), or South Flori	^{da} 2	→ []
<5 or ≥100 ft2	2/acre basal area of longle	eaf pine (Pir	nus palu	ustris), slash pine (Pinus elliottii), and	d/or South Florida slasl	h 1	
-	liottii var. densa)							
readings	llow Ding Stand Age St		/ !! out			Wet Longleaf & Slash Pine	Datina	
1	ellow Pine Stand Age St	-			u flat tau laualaaf	Flatwoods & Savannas	Rating	
present	0 ft2/acre of longleaf pine	e or siasti pi	ne tree:	S ≥14 DBH ClaSS (or mat-top ionglear	pine or stash pine is	4	Raw Value:
Basal area ≥1 present.	0 ft2/acre of longleaf pine	or slash pi	ne tree:	s ≥14" DBH class.	No flat-top longlea	of pine nor slash pine	3	Pating
Longleaf pine	or slash pine trees ≥14" [pine nor slash pine presen		e prese	ent, but <10 ft2/ac	re basal area of th	ose large trees. No fla	t- 2	Rating:
	ine or slash pine trees ≥14		flat-top	longleaf pine or	slash pine are pres	ent	1	
readings							flat-top	pine present
Southern Ye	llow Pine Stand Age St	ructure (1	2" cut	off)		Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
Basal area ≥2 present	Oft2/acre of longleaf pine	e or slash pi	ne tree:	s ≥12" DBH class o	or flat-top longleaf		4	Raw Value:
<u>'</u>	Oft2/acre of longleaf pine	e or slash pi	ne tree:	s ≥12" DBH class.	No flat-top longlea	of pine nor slash pine	3	Rating:
Longleaf pine	or slash pine trees ≥12" [e prese	ent, but <10 ft2/ac	cre basal area of th	ose large trees. No fla	t- 2	→ "
	oine nor slash pine presen ine or slash pine trees ≥12		flat-ton	longleaf nine or	slash nine are nres	ent	4	
readings	e or sidsii pilie trees 212	25/11/01	α. τορ	, iongicui pine or :	Jasii pilic die pies	C	⊥ flat-top	pine present

Plot ID: Date:		<u>l</u>
Canopy Hardwood Basal Area Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
≤5 ft2/acre basal area of hardwood trees	4	Raw Value:
>5 to 15 ft2/acre basal area of hardwood trees	3	
>15 to 25 ft2/acre basal area of hardwood trees	2	Rating:
>25 ft2/acre basal area of hardwood trees	1	\rightarrow
readings		
Canopy Hardwood Basal Area - Fire-Intolerant Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
0 ft2/acre basal area of fire intolerant hardwood trees	4	Raw Value:
>0 to 5 ft2/acre basal area of fire intolerant hardwood trees	3	
>5 to 10 ft2/acre basal area of fire intolerant hardwood trees	2	Rating:
>10 ft2/acre basal area of fire intolerant hardwood trees	1	\rightarrow
readings		
Southern Yellow Pine Canopy Cover Wet Longleaf & Slash Pine Flatwoods & Sayannas	Rating	
20-65% canopy cover of longleaf pine (Pinus palustris), slash pine (Pinus elliottii), and/or South Florida slash pine (Pinus elliottii var. densa)	4	Raw Value:
15 to <20% canopy cover or >65 to 75% canopy cover of longleaf pine (Pinus palustris), slash pine (Pinus elliottii), and/or South Florida slash pine (Pinus elliottii var. densa)	3	Rating:
10 to <15% canopy cover or >75 to 85% canopy cover of longleaf pine (Pinus palustris), slash pine (Pinus elliottii), and/or South Florida slash pine (Pinus elliottii var. densa)	2	→
<10% canopy cover or >85% canopy cover of longleaf pine (Pinus palustris), slash pine (Pinus elliottii), and/or South Florida slash pine (Pinus elliottii var. densa)	1	
Stand Density Index Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
SDI = 35 – 120 (9-30% of Maximum SDI of 400)	4	Raw Value:
SDI = 20 – 35 or 120 -155 (5-9% or 30-39% of Maximum SDI of 400, 35 – 40% SDI is near maximum of stand growth)	3	
SDI = 10 - 20 or 155 - 180 (2.5-5% or 39-45% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset of self-thinning	of 2	Rating:
SDI <10 or >180 (<2.5% or > 45%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	1	
list of DBHs		
Canopy Overall Ecological Assessment		
comments		

Plot ID:	Date:			
•	re-Tolerant Hardwood Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
2 to 10% cov	er of midstory fire-tolerant hardwoods		4	Raw Value:
10 to 15%, o	r <2% cover of midstory fire-tolerant hardwoods		3	
>15 to 25% o	over of midstory fire-tolerant hardwoods		2	Rating:
>25% cover	of midstory fire-tolerant hardwoods		1	\rightarrow
	re-Intolerant Hardwood Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
<5% cover o	f fire-intolerant hardwood midstory		4	Raw Value:
5 to 10% cov	er of fire-intolerant hardwood midstory		3	
>10 to 20% (over of fire-intolerant hardwood midstory		2	Rating:
>20% cover	of fire-intolerant hardwood midstory		1	\rightarrow
Midstory O	verall Woody Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
<10% cover	of woody midstory		4	Raw Value:
10 – 15% cov	ver of woody midstory		3	
>15 to 30% (cover of woody midstory		2	Rating:
>30% cover	of woody midstory		1	\rightarrow
Midstory O	verall Ecological Assessment			
comments				

Wet Longleaf & Slash Pine Flatwoods & Savannas (WLSPFS) EIA datasheet C	pen i me (metrics	VEIZ.U	1
Plot ID: Date:			
Tall Shrub (3-10 feet tall) Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
Shrubs 3-10 feet in height average <5% cover.		4	Raw Value:
Shrubs 3-10 feet in height average 5 to <15% cover.		3	
Shrubs 3-10 feet in height average 15-25% cover.		2	Rating:
Shrubs 3-10 feet in height average >25% cover.		1	\rightarrow \square
Short Shrub (<3 feet tall) Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
Shrubs < 3 feet in height average <30% cover in the assessment area		4	Raw Value:
Shrubs < 3 feet in height average 30 to <40% cover in the assessment area		3	
Shrubs < 3 feet in height average 40 to 45% cover in the assessment area		2	Rating:
Shrubs < 3 feet in height average >45% cover in the assessment area		1	\rightarrow
Longleaf Pine Regeneration	Rapid Assessment Location	Rating	
Longleaf pine regeneration (<2" DBH) cover is ≥1% at rapid assessment location		4	Raw Value:
Longleaf pine regeneration (<2" DBH) cover is <1% at rapid assessment location		3	
No Longleaf pine regeneration (<2" DBH) cover seen, but cone-producing longleaf pine or lon present rapid assessment location	gleaf pine >10" DBH a		Rating:
Longleaf pine regeneration (<2" DBH) cover is apparently absent, and no cone-producing longleaf pine >10" DBH are present at the rapid assessment location	gleaf pine or any matu	re 1	/ <u>L</u>
	>10" DBH or cone-pro	ducing lon	gleaf present
Longleaf Pine Regeneration	Stand Level	Rating	
Longleaf pine regeneration is present in patches across the stand, these patches are $5-15\%$ of the stand)	f the stand (about 1/2	^{0 to} 4	Raw Value:
Longleaf pine regeneration is present in patches across the stand, these patches are 1-5 $\%$ of stand (less than 1/20 or more than 1/6 of the stand)	the stand or >15% of t	the 3	Rating:
Longleaf pine regeneration is very sparse across stand, patches of longleaf pine regeneration producing longleaf pine or longleaf pine >10" DBH are present	are <1% of stand, or c	one- 2	→
Longleaf pine regeneration is apparently absent in stand, and apparently no cone-producing mature longleaf pine >10" DBH are present in the stand	longleaf pine or any	1	
	>10" DBH or cone-pro	ducing lon	gleaf present
Shrub Overall Ecological Assessment			
comments			

Plot ID: Date:	Wet Longleaf & Slash Pine	n	
Overall Native Herbaceous Ground Cover	Flatwoods & Savannas	Rating	
40-100% herbaceous cover		4	Raw Value:
30 to <40% herbaceous cover		3	
20 to <30% herbaceous cover		2	Rating:
<20% herbaceous cover		1	\rightarrow
Native Warm Season Grass Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
25-97% cover of all native warm season grasses		4	Raw Value:
>15 to <25% or >97% cover of all native warm season grasses		3	
10-15% cover of all native warm season grasses		2	Rating:
<10% cover of all native warm season grasses		1	\rightarrow $^{\circ}$
Native Wiry Graminoid Cover	Wet Longleaf & Slash Pine Flatwoods & Savannas	Rating	
20-95% cover of all wiry graminoids		4	Raw Value:
15 to <20% or >95% cover of all wiry graminoids		3	
5 to <15% cover of all wiry graminoids		2	Rating:
<5% cover of all wiry graminoids		1	\rightarrow
Invasive Plant Presence/Distribution		Rating	
Invasive nonnative plant species absent		4	Raw Value:
Invasive nonnative plant species present in any stratum but sporadic (<5% cover)		3	
Invasive nonnative plant species in any stratum uncommon (5-10% cover)		2	Rating:
Invasive nonnative plant species in any stratum common (>10% cover)		1	→ "
Herbaceous Indicators of Soil Disturbance		Rating	
Total cover for herbaceous indicators of soil disturbance <2%		4	Raw Value:
Total cover for herbaceous indicators of soil disturbance 2-5%		3	
Total cover for herbaceous indicators of soil disturbance >5-10%		2	Rating:
Total cover for herbaceous indicators of soil disturbance >10%		1	\rightarrow $^{\circ}$
Groundcover Overall Ecological Assessment			
comments			

Wet Longleaf & Slash Pine Flatwoods & Savannas (WLSPFS) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: **Contiguous Natural Land Cover** Rating LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter Buffer is 25–<75% of perimeter Rating:

Buffer is <25% of perimeter

1

Xeric Longleaf Pine Barrens (X	<u>LPB)</u> EIA da	tasheet	Open Pine (m	etrics ver2.0)			
Plot ID:	D	ate:					
Event details	•	<u> </u>					
Site Name:		Team:					
GPS Unit:							
Datum:		J	Ecologica	al System:			
	4		<u> </u>				
Latitude:	decimal degrees						
Longitude:	decimal degrees						
PDOP:	ucgrees						
Number of Satellites:							
		Assessi	ment Area/Site	Description:			
Directions to plot:		_					
		Consid	er for EO (check	(box)?	EO Comments	j:	
Basal Area of Southern Yellow Pin	e Canony T	rees			Xeric Longleaf Pine Barrens	Rating	
25-80 ft2/acre basal area of longleaf p						A	Danis Malara
>15 to <25 or >80 to 90 ft2/acre basal			Pinus palustris)			4	Raw Value:
10 to 15 or > 90 to <100 ft2/acre basa							
<10 or ≥100 ft2/acre basal area of long						1	Rating:
readings							′ Ш
Southern Yellow Pine Stand Age S	tructure (14	l" cutoff)			Xeric Longleaf Pine Barrens	Rating	
Basal area ≥20 ft2/acre of longleaf pin	e trees ≥ 14"	DBH class	or flat-top longle	eaf pine is preser	nt	4	Raw Value:
Basal area ≥10 ft2/acre of longleaf pin	e trees ≥ 14"	DBH class	;			3	nan rander
Longleaf pine trees ≥14" DBH class are	present, but	<10 ft2/a	acre basal area of	those large trees	5	2	Rating:
No longleaf pine trees ≥14" DBH nor f	at-top longle	af pine are	e present			1	\rightarrow
readings						flat-top	pine present
Southern Yellow Pine Stand Age S	tructure (12	2" cutoff)			Xeric Longleaf Pine Barrens	Rating	
Basal area ≥20 ft2/acre of longleaf pin	e trees ≥ 12"	DBH class	or flat-top longle	af pine is preser	nt	4	Raw Value:
Basal area ≥10 ft2/acre of longleaf pin	e trees ≥ 12"	DBH class	3			3	
Longleaf pine trees ≥12" DBH class are	present, but	<10 ft2/a	icre basal area of	those large trees	5	2	Rating:
No longleaf pine trees ≥12" DBH nor f	at-top longle	af pine are	e present			1	\rightarrow $ $
readings						flat-top	pine present
Canopy Hardwood Basal Area					Xeric Longleaf Pine Barrens	Rating	
≤5 ft2/acre basal area of hardwood tre	ees					4	Raw Value:
>5 to 15 ft2/acre basal area of hardwo						3	
>15 to 25 ft2/acre basal area of hardw						2	Rating:
>25 ft2/acre basal area of hardwood t	rees					1	\rightarrow \square
readings					1		

Xeric Longleat Pi	ne Barrens (XLPB) EIA datasheet Open Pine (metrics ver2.0)		
Plot ID:	Date:		
Canopy Hardwood	Basal Area - Fire-Intolerant Xeric Longleaf Pine Barrens	Rating	
0 ft2/acre basal area	of fire intolerant hardwood trees	4	Raw Value:
>0 to 5 ft2/acre basal	area of fire intolerant hardwood trees	3	
>5 to 10 ft2/acre base	al area of fire intolerant hardwood trees	2	Rating:
>10 ft2/acre basal are	ea of fire intolerant hardwood trees	1	\rightarrow $]$
readings			
Southern Yellow Pi	ne Canopy Cover Xeric Longleaf Pine Barrens	Rating	
>20 to 55% canopy co	over of longleaf pine (Pinus palustris)	4	Raw Value:
>15 to 20% canopy co	over or >55 to 70% canopy cover of longleaf pine (Pinus palustris)	3	
5-15% canopy cover of	or >70 to 80% canopy cover of longleaf pine (Pinus palustris)	2	Rating:
<5% canopy cover or	>80% canopy cover of longleaf pine (Pinus palustris)	1	\rightarrow $^{\circ}$
Stand Density Inde	X Xeric Longleaf Pine Barrens	Rating	
SDI = 50 – 120 (13-30	% of Maximum SDI of 400)	4	Raw Value:
SDI = 30 – 50 or 120 -	160 (8-13% or 30-40% of Maximum SDI of 400, 35 $-$ 40% SDI is near maximum of stand growth	1) 3	
SDI = 20 – 30 or 160 - self-thinning)	180 (5-8% or 40-45% of Maximum SDI, 240 is 60% of Maximum SD of 400, which is the onset of	of 2	Rating:
SDI <20 or >180 (<5%	or > 45%, 240 is 60% of Maximum SD of 400, the onset of self-thinning)	1	· L
list of DBHs			
Canopy Overall Eco	logical Assessment		
comments			

Xeric Longleaf Pine Barrens (XLPB) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Xeric Longleaf Pine Barrens **Midstory Fire-Tolerant Hardwood Cover** Rating 2 to 5% cover of midstory fire-tolerant hardwoods 4 Raw Value: 5 to 20% cover, or <2% cover of midstory fire-tolerant hardwoods 3 >20 to 25% cover of midstory fire-tolerant hardwoods 2 Rating: >25% cover of midstory fire-tolerant hardwoods 1 Xeric Longleaf Pine Barrens **Rating Midstory Fire-Intolerant Hardwood Cover** 0% cover of fire-intolerant hardwood midstory 4 Raw Value: >0 to 5% cover of fire-intolerant hardwood midstory 3 >5 to 15% cover of fire-intolerant hardwood midstory 2 Rating: >15% cover of fire-intolerant hardwood midstory 1 Xeric Longleaf Pine Barrens **Midstory Overall Woody Cover** Rating 2 to <15% cover of woody midstory 4 Raw Value: 15 - 25%, or <2% cover of woody midstory 3 >25 to 35% cover of woody midstory Rating: >35% cover of woody midstory 1 **Midstory Overall Ecological Assessment** comments

Xeric Longleaf Pine Barrens (XLPB) EIA				
Plot ID:	Date:			
Tall Shrub (3-10 feet tall) Cover		Xeric Longleaf Pine Barrens	Rating	
shrubs 3-10 feet in height average <5% cover.			4	Raw Value:
shrubs 3-10 feet in height average 5 to <15% co	ver.		3	
Shrubs 3-10 feet in height average 15 to $<$ 30% c	over.		2	Rating:
Shrubs 3-10 feet in height average ≥30% cover.			1	\rightarrow $^{\circ}$
Short Shrub (<3 feet tall) Cover		Xeric Longleaf Pine Barrens	Rating	
hrubs < 3 feet in height average <25% cover in	the assessment area		4	Raw Value:
hrubs < 3 feet in height average 25 to 35% cove	er in the assessment area		3	
hrubs < 3 feet in height average >35 to 45% co	ver in the assessment area		2	Rating:
hrubs < 3 feet in height average >45% cover in	the assessment area		1	\rightarrow
ongleaf Pine Regeneration		Rapid Assessment Location	Rating	
ongleaf pine regeneration (<2" DBH) cover is ≥:	1% at rapid assessment location		4	Raw Value:
ongleaf pine regeneration (<2" DBH) cover is <	1% at rapid assessment location		3	
Io Longleaf pine regeneration (<2" DBH) cover resent rapid assessment location	seen, but cone-producing longleaf pine or long	leaf pine >10" DBH a		Rating:
ongleaf pine regeneration (<2" DBH) cover is a ongleaf pine >10" DBH are present at the rapid		eaf pine or any matu	re 1	/ L
		>10" DBH or cone-pro	ducing lon	gleaf present
ongleaf Pine Regeneration		Stand Level	Rating	
ongleaf pine regeneration is present in patches /6 of the stand)	across the stand, these patches are 5-15 % of	the stand (about 1/2	^{0 to} 4	Raw Value:
ongleaf pine regeneration is present in patches tand (less than 1/20 or more than 1/6 of the st	· · · · · · · · · · · · · · · · · · ·	he stand or >15% of t	the 3	Rating:
ongleaf pine regeneration is very sparse across producing longleaf pine or longleaf pine >10" DI	stand, patches of longleaf pine regeneration a	re <1% of stand, or co	one- 2	\rightarrow $^{\circ}$
ongleaf pine regeneration is apparently absent nature longleaf pine >10" DBH are present in th		ongleaf pine or any	1	
		>10" DBH or cone-pro	ducing lon	gleaf present
hrub Overall Ecological Assessment				
comments				

Xeric Longleaf Pine Barrens (XLPB) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: Xeric Longleaf Pine Barrens Overall Native Herbaceous Ground Cover Rating 40-100% herbaceous cover 4 Raw Value: >25 to <40% herbaceous cover 3 >15 to 25% herbaceous cover 2 Rating: 0-15% herbaceous cover 1 Xeric Longleaf Pine Barrens **Native Warm Season Grass Cover** Rating 25-95% cover of all native warm season grasses 4 Raw Value: 15 to <25% or >95% cover of all native warm season grasses 3 10 to <15% cover of all native warm season grasses 2 Rating: <10% cover of all native warm season grasses 1 Xeric Longleaf Pine Barrens **Native Wiry Graminoid Cover** Rating 20-95% cover of all wiry graminoids 4 Raw Value: 10 to <20% or >95% cover of all wiry graminoids 3 2 to <10% cover of all wiry graminoids Rating: <2% cover of all wiry graminoids 1 **Invasive Plant Presence/Distribution** Rating Invasive nonnative plant species absent 4 Raw Value: Invasive nonnative plant species present in any stratum but sporadic (<5% cover) 3 Invasive nonnative plant species in any stratum uncommon (5-10% cover) 2 Rating: Invasive nonnative plant species in any stratum common (>10% cover) 1 **Herbaceous Indicators of Soil Disturbance** Rating Total cover for herbaceous indicators of soil disturbance <2% 4 Raw Value: Total cover for herbaceous indicators of soil disturbance 2-5% 3 Total cover for herbaceous indicators of soil disturbance >5-10% Rating: Total cover for herbaceous indicators of soil disturbance >10% **Groundcover Overall Ecological Assessment** comments

Xeric Longleaf Pine Barrens (XLPB) EIA datasheet Open Pine (metrics ver2.0) Plot ID: Date: **Contiguous Natural Land Cover Rating** LAN1 Intact: Embedded in 90-100% natural habitat around Assessment Area. 4 Raw Value: Variegated: Embedded in 60-<90% natural habitat. 3 Fragmented: Embedded in 20-<60% natural habitat. 2 Rating: Relictual: Embedded in <20% natural habitat. 1 **Land Use Index Rating** LAN2 Average Land Use Score = 9.5-10 4 Raw Value: Average Land Use Score = 8.0-9.4 3 Average Land Use Score = 4.0-7.9 2 Rating: Average Land Use Score < 4.0 1 **Perimeter with Natural Buffer** Rating **BUF1** Natural buffer is 100% of perimeter 4 Raw Value: 3 Buffer is 75-99% of perimeter

Buffer is 25–<75% of perimeter

Buffer is <25% of perimeter

Rating:

1