

# Forestland Productivity

Upshur and Gregg Counties, Texas

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
<i>Cu ft/ac</i>				
<b>BeB:</b>				
Bienville	Loblolly pine	96	143	Loblolly pine, Shortleaf pine
	Longleaf pine	88	114	
	Shortleaf pine	75	114	
<b>BoC:</b>				
Bowie	Loblolly pine	86	129	Loblolly pine
	Shortleaf pine	80	129	
<b>BuC:</b>				
Bowie	Loblolly pine	86	129	Loblolly pine
	Shortleaf pine	80	129	
Urban land	---	---	---	---
<b>ByC:</b>				
Briley	Loblolly pine	80	114	Loblolly pine, Slash pine
	Shortleaf pine	70	114	
	Slash pine	---	0	
<b>CbE:</b>				
Cuthbert	Loblolly pine	84	114	Loblolly pine
	Shortleaf pine	72	114	
<b>CcE:</b>				
Cuthbert	Loblolly pine	80	114	Loblolly pine
	Shortleaf pine	75	114	
Urban land	---	---	---	---
<b>CrF:</b>				
Cuthbert	Loblolly pine	80	114	Loblolly pine
	Shortleaf pine	75	114	
Redsprings	Eastern redcedar	69	114	Loblolly pine
	Eastern redcedar	79	114	
<b>DaC:</b>				
Darco	Loblolly pine	81	114	Loblolly pine, Shortleaf pine
	Shortleaf pine	76	114	
<b>DaE:</b>				
Darco	Loblolly pine	81	114	Loblolly pine, Shortleaf pine
	Shortleaf pine	76	114	

# Forestland Productivity

Upshur and Gregg Counties, Texas

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
<i>Cu ft/ac</i>				
<b>DAM:</b>				
Dam	---	---	---	---
<b>ErC:</b>				
Elrose	Loblolly pine	92	143	Loblolly pine, Shortleaf pine
	Shortleaf pine	85	143	
	Southern red oak	---	0	
	Sweetgum	90	100	
<b>lu:</b>				
luka	Eastern cottonwood	105	143	Eastern cottonwood, Loblolly pine, Tuliptree
	Loblolly pine	100	129	
	Sweetgum	100	143	
	Water oak	100	100	
<b>KfC:</b>				
Kirvin	Loblolly pine	85	114	Loblolly pine, Slash pine
	Shortleaf pine	75	114	
<b>KgC:</b>				
Kirvin	Loblolly pine	83	114	Loblolly pine
	Shortleaf pine	72	114	
<b>KrC:</b>				
Kirvin	Loblolly pine	85	114	Loblolly pine, Slash pine
	Shortleaf pine	75	114	
Urban land	---	---	---	---
<b>KsC:</b>				
Kirvin	Loblolly pine	70	86	Loblolly pine
	Shortleaf pine	57	86	
<b>KtB:</b>				
Kullit	Loblolly pine	90	129	Cherrybark oak, Loblolly pine, Sweetgum
	Southern red oak	---	0	
	Sweetgum	---	0	
	White oak	---	0	
<b>KuB:</b>				
Kullit	Loblolly pine	90	129	Cherrybark oak, Loblolly pine, Sweetgum
	Southern red oak	---	0	
	Sweetgum	---	0	
	White oak	---	0	

# Forestland Productivity

Upshur and Gregg Counties, Texas

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			<i>Cu ft/ac</i>	
<b>KuB:</b>				
Urban land	---	---	---	---
<b>LaA:</b>				
Latch	Loblolly pine	98	143	Loblolly pine, Southern red oak, Water oak
	Post oak	---	0	
	Southern red oak	---	0	
	Sweetgum	---	0	
	Water oak	---	0	
	Willow oak	---	0	
	Winged elm	---	0	
Mollville	Loblolly pine	82	114	Loblolly pine, Sweetgum, Water oak
	Sweetgum	80	86	
	Water oak	80	72	
	Willow oak	80	72	
<b>LbC:</b>				
Lilbert	Loblolly pine	88	129	Loblolly pine, Slash pine
	Longleaf pine	70	86	
	Shortleaf pine	74	114	
	Southern red oak	---	0	
	Sweetgum	---	0	
<b>LuC:</b>				
Lilbert	Loblolly pine	88	129	Loblolly pine, Slash pine
	Longleaf pine	70	86	
	Shortleaf pine	74	114	
	Southern red oak	---	0	
	Sweetgum	---	0	
Urban land	---	---	---	---
<b>Ma:</b>				
Mantachie	Cherrybark oak	100	143	Cherrybark oak, Eastern cottonwood, Green ash, Loblolly pine, Sweetgum, Tuliptree
	Eastern cottonwood	90	100	
	Green ash	80	57	
	Loblolly pine	98	143	
	Sweetgum	95	114	
	Tuliptree	95	100	

# Forestland Productivity

Upshur and Gregg Counties, Texas

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
				<i>Cu ft/ac</i>
<b>MoA:</b>				
Mollville	Loblolly pine	82	114	Loblolly pine, Sweetgum, Water oak
	Sweetgum	80	86	
	Water oak	80	72	
	Willow oak	80	72	
<b>Ow:</b>				
Oil wasteland	---	---	---	---
<b>ReB:</b>				
Rentzel	Loblolly pine	89	129	Loblolly pine
	Shortleaf pine	76	114	
	Sweetgum	---	0	
<b>RuC:</b>				
Ruston, AFFR 30-42	Hickory	---	0	Loblolly pine, Longleaf pine, Slash pine
	Loblolly pine	91	129	
	Longleaf pine	76	86	
	Post oak	---	0	
	Slash pine	91	172	
	Southern red oak	---	0	
	Sweetgum	---	0	
<b>SaC:</b>				
Sacul, AFFR 25-30	Loblolly pine	84	114	Loblolly pine, Shortleaf pine
	Shortleaf pine	74	114	
<b>SaD:</b>				
Sacul, AFFR 25-30	Loblolly pine	84	114	Loblolly pine, Shortleaf pine
	Shortleaf pine	74	114	
<b>SuC:</b>				
Sacul, AFFR 25-30	Loblolly pine	84	114	Loblolly pine, Shortleaf pine
	Shortleaf pine	74	114	
Urban land	---	---	---	---
<b>TeE:</b>				
Tenaha	Loblolly pine	87	129	Loblolly pine
	Shortleaf pine	77	129	
<b>TrC:</b>				
Trep	Loblolly pine	90	129	Loblolly pine, Shortleaf pine, Slash pine
	Shortleaf pine	80	129	

# Forestland Productivity

Upshur and Gregg Counties, Texas

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
<i>Cu ft/ac</i>				
<b>Ud:</b>				
Udorthents	---	---	---	---
<b>Ur:</b>				
Estes	Green ash	---	0	Green ash, Green ash, Green ash, Green ash
	Sweetgum	93	114	
	Water oak	93	86	
	Willow oak	86	86	
<b>W:</b>				
Water	---	---	---	---
<b>WrA:</b>				
Wrightsville	Sweetgum	80	86	Loblolly pine, Shortleaf pine, Water oak, Willow oak
	Water oak	80	72	
Raino	Loblolly pine	88	129	Loblolly pine, Shortleaf pine
	Shortleaf pine	80	129	
	Water oak	90	86	

## Forestland Productivity

This table can help forest owners or managers plan the use of soils for wood crops. It shows the potential productivity of the soils for wood crops.

Potential productivity of merchantable or common trees on a soil is expressed as a site index and as a volume number. The site index is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands. Commonly grown trees are those that forest managers generally favor in intermediate or improvement cuttings. They are selected on the basis of growth rate, quality, value, and marketability. More detailed information regarding site index is available in the "National Forestry Manual," which is available in local offices of the Natural Resources Conservation Service or on the Internet.

The volume of wood fiber, a number, is the yield likely to be produced by the most important tree species. This number, expressed as cubic feet per acre per year and calculated at the age of culmination of the mean annual increment (CMAI), indicates the amount of fiber produced in a fully stocked, even-aged, unmanaged stand.

Trees to manage are those that are preferred for planting, seeding, or natural regeneration and those that remain in the stand after thinning or partial harvest.

### Reference:

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual.  
(<http://soils.usda.gov/technical/nfhandbook/>)