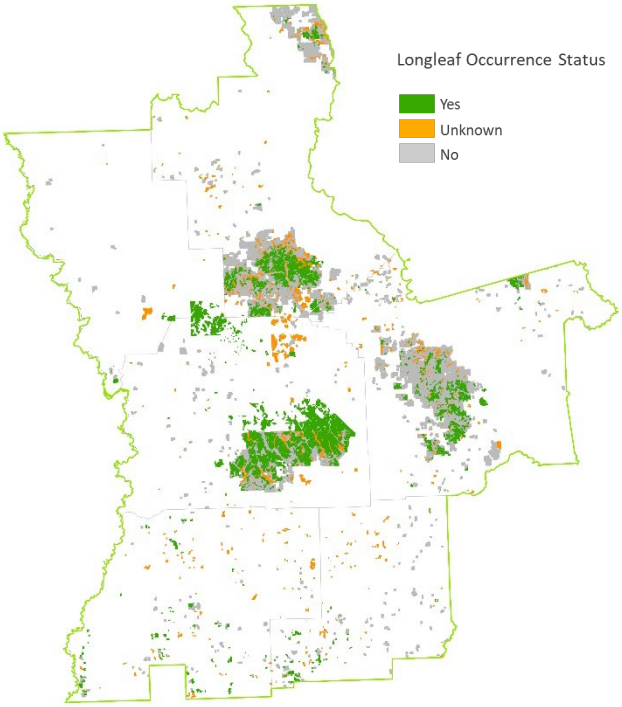
Overall Summary of Longleaf in the LIT

The LEO GDB includes both existing partner data and new Rapid Assessment (RA) field data. Total longleaf pine in the LIT is summarized below for 4 attributes that are available across most data sources.

Total longleaf pine acres in LEO GDB:

149,819



Attributes of West-Central Louisiana longleaf pine sites currently in the LEO GDB.

Attribute		Acres	Percent
Ownership Type	Federal	133,742	89
	State	1,340	1
	Local	0	0
	Private Conservation Land	1,053	1
	Private Conservation Easement	249	<1
	Private - Unprotected	13,435	9
Stand Type	Natural	27,863	19
	Planted	14,571	10
	No Data	107,384	72
Longleaf Dominance	Dominant	136,464	91
	Codominant	8,130	5
	Occasional - Rare	3,557	2
	No Data	1,667	1
Stand Age	Older Mature	90,466	60
	Younger Mature	19,375	13
	Pre Reproductive	5,324	4
	No Data	34,654	23

Summary of Rapid Assessment Data in the LIT

The Rapid Assessment (RA) provides ground-truthed data on the presence and condition of longleaf pine stands where no similar data exists from other sources. Field data include attributes for canopy, midstory and ground layers that were collected by surveyors trained on the LEO project protocols.

Total longleaf pine acres within RA Sites: **14,158**

Survey status of potential longleaf pine sites delineated for Rapid Assessment.

RA Survey Status	Number of Sites	Acres
Longleaf Present	196	14,158
Longleaf Absent	403	30,244
No access[a]	55	5,022
Unvisited[b]	299	22,314

[a]surveys attempted but sites could not be accessed by road
[b]unvisited, in areas of lower partner priority or outlying areas; still available for supplemental data collection

Stand attributes from Rapid Assessments of longleaf pine in the LIT. Maintain and Improve conditions are primarily derived from America's Longleaf Restoration Initiative's Longleaf Pine Maintenance Condition Class Definitions.

Condition Attribute	Maintain (Acres)	Maintain (%)	Improve (Acres)	Improve (%)	No Data (Acres)	No Data (%)
Flat-tops	3,536	25	10,520	74	102	<1
Large Longleaf	10,954	77	3,102	22	102	<1
Longleaf Stand Age	8,186	58	5,870	41	102	<1
Longleaf Canopy Age Classes	2,096	15	11,960	84	102	<1
Longleaf Pine Regeneration	159	1	13,897	98	102	<1
Longleaf Pine Saplings	648	5	13,408	95	102	<1
Longleaf Pine Basal Area	10,687	75	3,369	24	102	<1
Hardwood Canopy Basal Area	13,895	98	161	1	102	<1
Midstory Cover	11,157	79	2,899	20	102	<1
Fire Tolerant Hardwoods Cover	13,596	96	485*	3	134	<1
Tall Shrub Cover	4,927	35	9,129	64	102	<1
Short Shrub Cover	9,164	65	4,892	35	102	<1
Herbaceous Cover	6,034	43	8,022	57	102	<1
Pyrogenic Grass Cover	3,773	27	6,794	48	3,591	25
Non-native Grass Cover	0	0	14,056*	99	102	<1
Invasive Plant Cover	14,056	99	0	0	102	<1

*data includes both improve and restore condition classes

Fire evidence observed on Rapid Assessment Sites with longleaf pine.

Fire Evidence Category	Acres	%
Frequent	4,484	32
Recent, not frequent	91	1
Infrequent	5,058	36
No evidence	4,350	31
No data	175	1

Condition rank assigned by surveyor for Rapid Assessment Sites with longleaf pine.

Condition Rank	Acres	%
Excellent	2,403	17
Good	6,679	47
Fair	4,420	31
Low	554	4
No Data	102	1