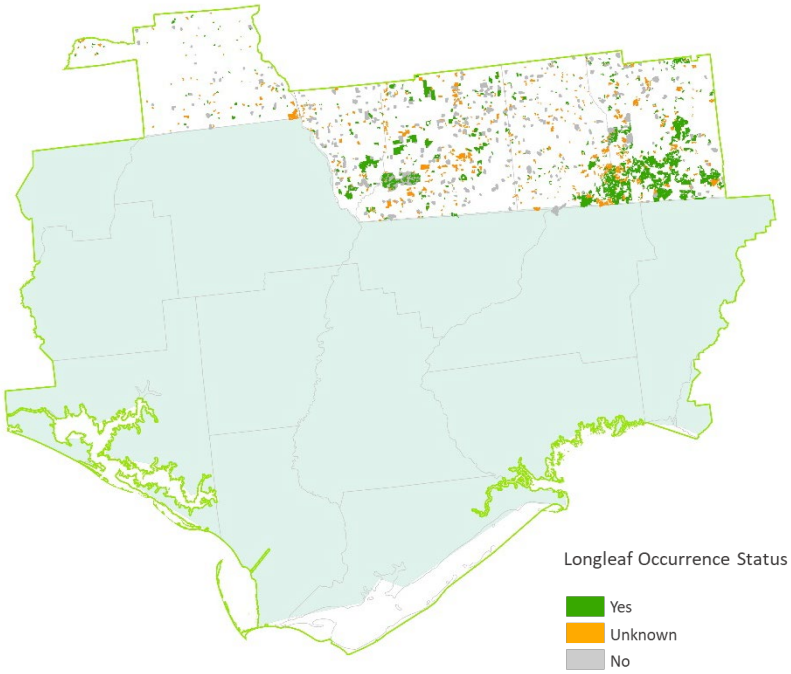
Overall Summary of Longleaf in the LIT

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*:

78,689

**excludes FL data. Integration of FL with LEO planned for 2022*



Attributes of ARSA longleaf pine sites currently in the LEO GDB (excludes Florida).

Attribute		Acres	Percent
Ownership Type	Federal	701	1
	State	4,791	6
	Local	0	0
	Private Conservation Land	0	0
	Private Conservation Easement	9,625	12
	Private - Unprotected	63,572	81
Stand Type	Natural	58,846	75
	Planted	5,254	7
	No Data	14,589	19
Longleaf Dominance	Dominant	46,029	58
	Codominant	18,153	23
	Occasional - Rare	11,997	15
	No Data	2,509	3
Stand Age	Older Mature	46,842	60
	Younger Mature	11,376	14
	Pre Reproductive	3,579	5
	No Data	16,747	21

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: **60,348**

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

RA Survey Status	Number of Sites	Acres
Longleaf Present	454	60,348
Longleaf Absent	370	22,485
No access[a]	473	32,047
Unvisited[b]	79	4,620

[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	28,787	48	22,477	37	9,084	15
Large Longleaf	49,843	83	6,759	11	3,746	6
Longleaf Stand Age	43,883	73	14,944	25	1,521	3
Longleaf Canopy Age Classes	48,226	80	10,219	17	1,904	3
Longleaf Pine Regeneration	8,331	14	50,394	84	1,622	3
Longleaf Pine Saplings	22,577	37	36,148	60	1,622	3
Longleaf Pine Basal Area	48,397	80	10,318	17	1,634	3
Hardwood Canopy Basal Area	56,054	93	2,645	4	1,649	3
Midstory Cover	55,544	92	3,428	6	1,376	2
Fire Tolerant Hardwoods Cover	58,081	96	262	0	2,005	3
Tall Shrub Cover	52,612	87	6,361	11	1,376	2
Short Shrub Cover	38,403	64	19,861	33	2,084	3
Herbaceous Cover	51,836	86	6,233	10	2,279	4
Pyrogenic Grass Cover	48,198	80	9,443	16	2,707	4
Non-native Grass Cover	0	0	57,886	96	2,463	4
Invasive Plant Cover	48,297	80	9,781	16	2,271	4

Fire evidence observed on Rapid Assessment Sites with longleaf pine.

Fire Evidence Category	Acres	%
Frequent	49,218	82
Recent, not frequent	1,906	3
Infrequent	3,568	6
No evidence	3,556	6
No data	2,099	3

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

Condition Rank	Acres	%
Excellent	38,632	64
Good	10,093	17
Fair	4,507	7
Low	5,050	8
No Data	2,066	3