







Wildfire Activity: A Look Back and Outlook for Fall / Winter

Drought Management Advisory Council

Annual Meeting September 18, 2025











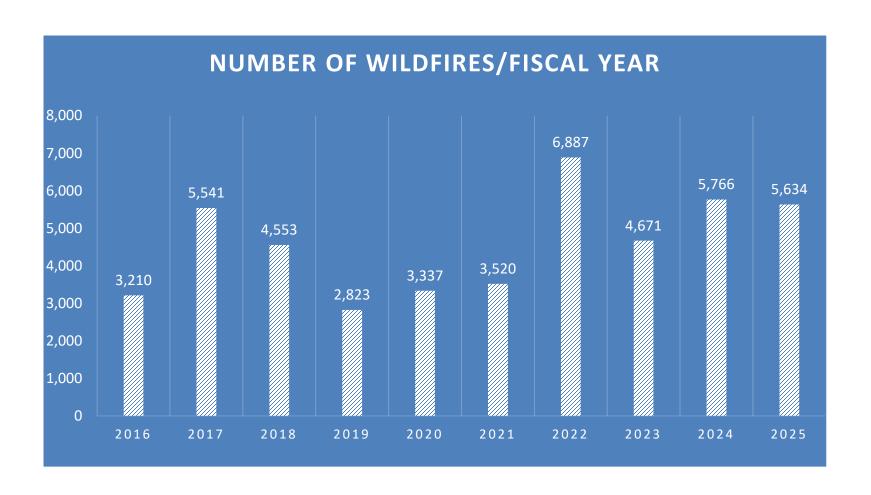
NC Forest Service Wildfire Activity, FY16 - FY25

FY	Fires	Acres	100+ Acre Fires	100+ Acres Burned	Percent of Total Fires	Acreage	YoY % Change, Total Fire Count	YoY % Change, Total Acres
2016	3,210	18,808	12	11,992	0.4%	63.8%		
2017	5,541	79,674	38	69,389	0.7%	87.1%	72.6%	323.6%
2018	4,553	13,647	14	5,575	0.3%	40.9%	-17.8%	-82.9%
2019	2,823	6,786	8	1,846	0.3%	27.2%	-38.0%	-50.3%
2020	3,337	7,600	12	2,708	0.4%	35.6%	18.2%	12.0%
2021	3,520	9,633	9	3,285	0.3%	34.1%	5.5%	26.7%
2022	6,887	26,958	29	11,316	0.4%	42.0%	95.7%	179.9%
2023	4,671	69,690	19	59,487	0.4%	85.4%	-32.2%	158.5%
2024	5,766	28,160	26	18,070	0.5%	64.2%	23.4%	-59.6%
2025	5,634	34,266	38	23,997	0.7%	70.0%	-2.3%	21.7%
Average	4,594	29,522	21	20,766	0.4%	70.3%	Difference fr	om 10yr Avg
Total	45,942	295,221	205	207,665	0.4%	70.3%	23%	16%





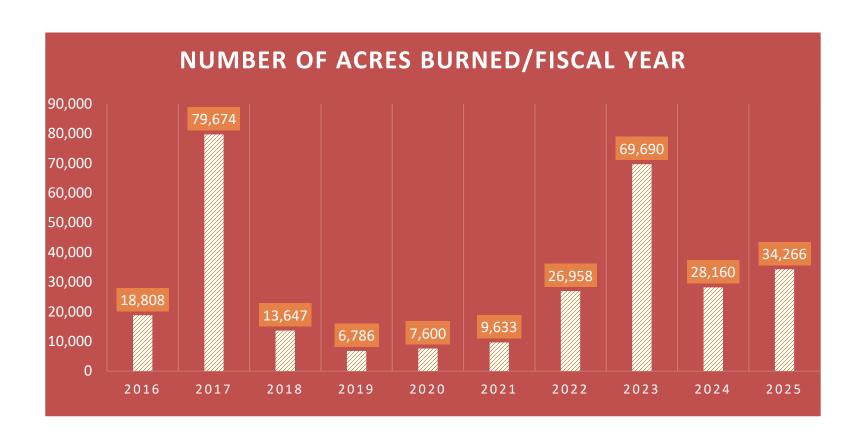
NC Forest Service Wildfire Activity, FY 16-25







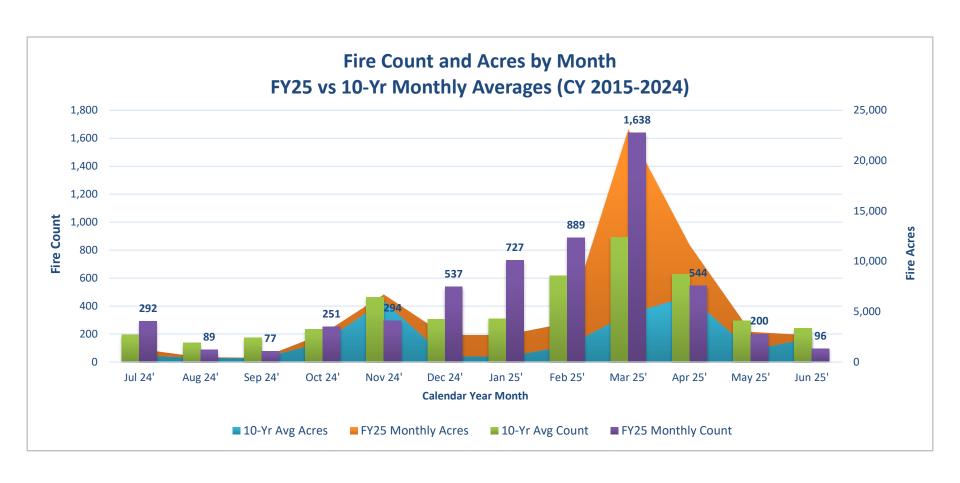
NC Forest Service Wildfire Activity, FY 16-25







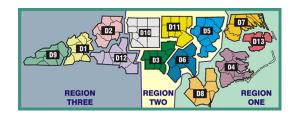
Wildfires by Month – FY25



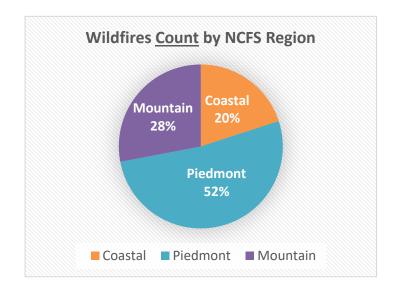


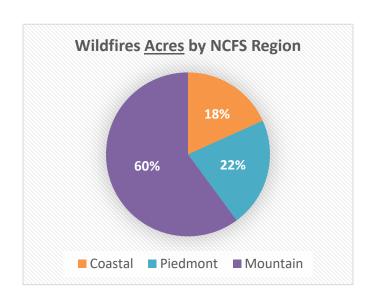


Wildfires by Geographic Area – FY25



NCFS Region	Wildfire Count	% of Wildfires	Wildfire Acres	% of Wildfire Acres	
Coastal	1,107	20%	6,258	18%	
Piedmont	2,969	52%	7,406	22%	
Mountain	1,558	28%	20,602	60%	
Total	5,634	100%	34,266	34,266	

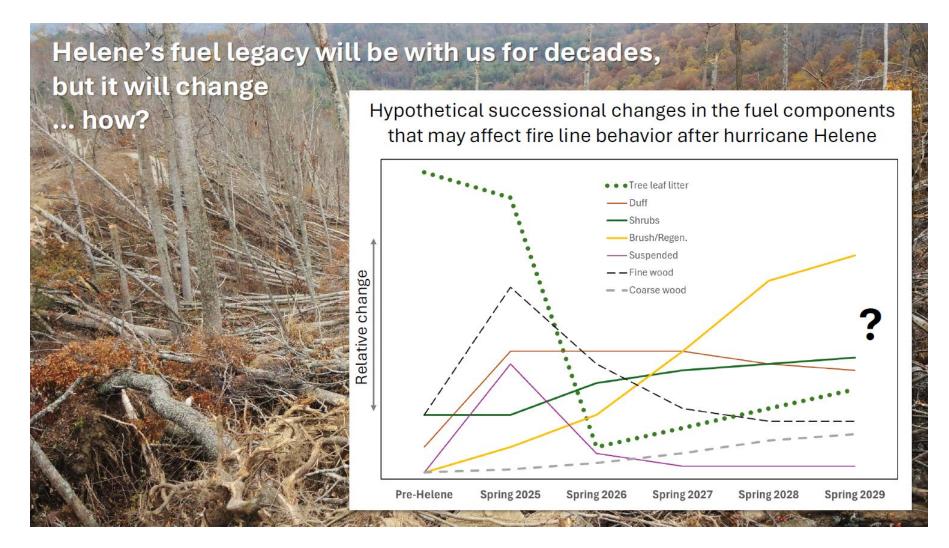




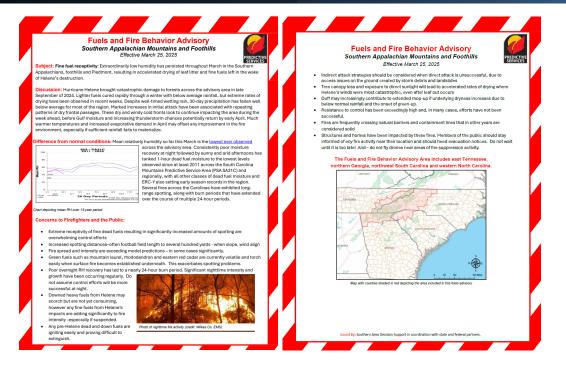
Post-Helene Fire Environment



Slide Snip from "Hurricane Helene impacts to forests and fuels" presentation by Dr. Steve Norman USDA Forest Service, Southern Research Station



State of Emergency, Fuels & Fire Behavior Advisories, Burn Bans...



- Statewide Burn Ban began on 3/21, ending 4/1.
- Executive Order #12 (SoE) 3/26/25
- Multiple Red Flag Events during Spring 2025
- Extreme Fuel Dryness, Enhanced Burn Periods



Fuels and Fire Management Considerations for Hurricane Helene Damaged Areas (2/25)

Damage Severity	% of overstory altered/damaged
Catastrophic	>50%
Severe	34-50%
Moderate	26-33%
Light	<25%



SIT-209
System
Report: 209
Criteria Fires
for NC
CY 2025,
ending 6/5:

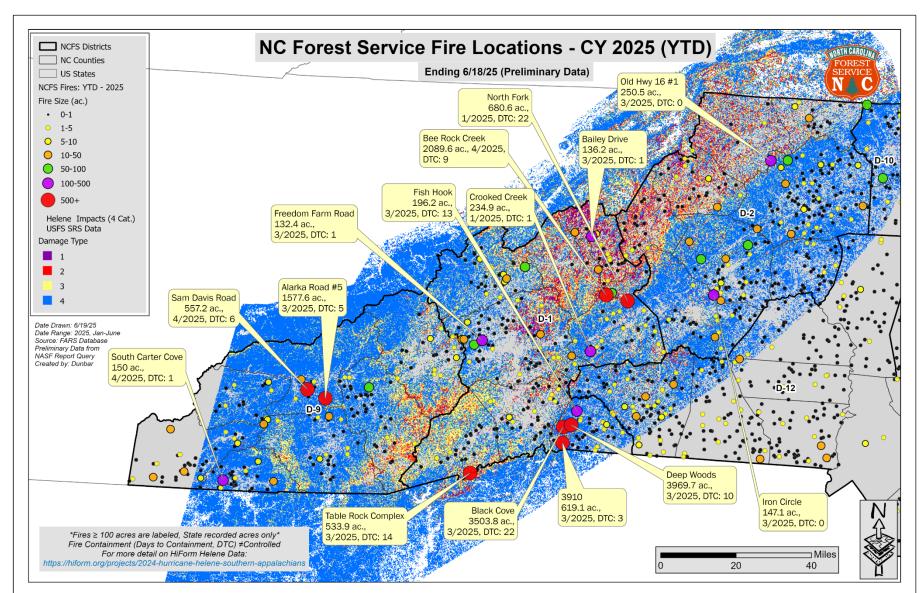
Unit	Incident #	Incident Name	Inc. Type	System Reported Date	209 Status I/ U/ F	209 Reported Cause	Size (Acres)
NC-NCS (NCFS)	NC-NCS-250003	Rebekah Lane	WF	01/26/2025 1455 EST	F	Н	1
NC-NCS (NCFS)	NC-NCS-250004	Crooked Creek	WF	01/29/2025 1155 EST	F	Н	220
NC-NCS (NCFS)	NC-NCS-250005	Coleman Creek	WF	01/29/2025 1348 EST	F	Н	152
NC-NCF (USFS)	NC-NCF-250021	NORTH FORK	WF	01/29/2025 1605 EST	F	U	644
NC-NCS (NCFS)	NC-NCS-250006	Cummings Place	WF	02/04/2025 1345 EST	F	U	1
NC-NCS (NCFS)	NC-NCS-250007	School Drive	WF	02/17/2025 1648 EST	F	Н	1
NC-NCS (NCFS)	NC-NCS-250009	Hodge Rd	WF	02/26/2025 1509 EST	F	U	100
NC-NCS (NCFS)	NC-NCS-250011	Angling Road	WF	02/26/2025 1529 EST	F	Н	479
NC-NCS (NCFS)	NC-NCS-250010	Bud Stevens Rd	WF	02/26/2025 1818 EST	F	U	106
NC-NCS (NCFS)	NC-NCS-250012	Rough Horn Rd	WF	02/27/2025 1821 EST	F	U	263
NC-NCF (USFS)	NC-NCF-250070	FALLS DAM	WF	03/01/2025 1543 EST	F	Н	505
NC-NCS (NCFS)	NC-NCS-250016	Jeterville	WF	03/01/2025 1600 EST	F	U	220
NC-NCF (USFS)	NC-NCF-250075	HICKS CEMETERY	WF	03/01/2025 1723 EST	F	U	198
NC-NCS (NCFS)	NC-NCS-250015	Hawk's Bill Dr	WF	03/01/2025 2307 EST	F	U	215
NC-NCS (NCFS)	NC-NCS-250014	3910	WF	03/02/2025 0725 EST	F	Н	619
NC-NCF (USFS)	NC-NCF-250114	MILLIS SAVANNAH	WF	03/10/2025 1358 EDT	F	U	393
NC-NCS (NCFS)	NC-NCS-250017	Bailey Drive	WF	03/11/2025 1612 EDT	F	Н	133
NC-NCS (NCFS)	NC-NCS-250018	Rainbo	WF	03/12/2025 1527 EDT	F	Н	1
NC-NCS (NCFS)	NC-NCS-250019	Black Cove	WF	03/19/2025 1500 EDT	F	Н	3,502
NC-NCS (NCFS)	NC-NCS-250040	Wind Dancer Ln	WF	03/19/2025 1645 EDT	F	Н	6
NC-NCS (NCFS)	NC-NCS-250021	Deep Woods	WF	03/19/2025 2000 EDT	F	U	3,969
NC-NCS (NCFS)	NC-NCS-250022	Carolina Club	WF	03/20/2025 0845 EDT	F	Н	200
NC-NCS (NCFS)	NC-NCS-250024	Fish Hook	WF	03/20/2025 1700 EDT	F	Н	199
NC-NCS (NCFS)	NC-NCS-250029	Old Hwy 16 #1	WF	03/22/2025 0717 EDT	F	U	250
NC-NCS (NCFS)	NC-NCS-250028	Iron Circle	WF	03/22/2025 1239 EDT	F	Н	160
NC-NCS (NCFS)	NC-NCS-250027	Goinstown Road	WF	03/22/2025 1430 EDT	F	U	277
NC-NCS (NCFS)	NC-NCS-250030	Hwy 268 #1	WF	03/22/2025 1516 EDT	F	Н	1
NC-NCS (NCFS)	NC-NCS-250032	Holly Shelter Rd #2	WF	03/24/2025 1300 EDT	F	Н	340
NC-NCS (NCFS)	NC-NCS-250033	Crusoe Island Rd	WF	03/25/2025 1250 EDT	F	U	557
NC-NCS (NCFS)	NC-NCS-250034	Alarka #5	WF	03/25/2025 1500 EDT	F	U	1,575
NC-NCS (NCFS)	NC-NCS-250037	Freedom Farm Rd	WF	03/26/2025 1300 EDT	F	U	130
NC-NCS (NCFS)	NC-NCS-250035	Rattlesnake Branch	WF	03/26/2025 1329 EDT	F	U	1,858
NC-NCS (NCFS)	NC-NCS-250041	Sandy Lane	WF	03/28/2025 1300 EDT	F	U	1
NC-NCS (NCFS)	NC-NCS-250043	Muddy Creek Rd	WF	04/05/2025 1215 EDT	F	Н	1
NC-NCF (USFS)	NC-NCF-250207	HAOE LEAD	WF	04/12/2025 1705 CT	F	L	3,103
NC-NCS (NCFS)	NC-NCS-250045	Bee Rock Creek	WF	04/15/2025 1649 EDT	F	U	2,085
NC-NCS (NCFS)	NC-NCS-250047	South Carter Cove	WF	04/15/2025 1719 EDT	F	U	150
NC-NCS (NCFS)	NC-NCS-250050	Bald Fork	WF	04/17/2025 1500 EDT	F	U	105
NC-NCS (NCFS)	NC-NCS-250051	Sam Davis Road	WF	04/18/2025 1549 EDT	F	U	559
NC-NCS (NCFS)	NC-NCS-250052	Hwy 210	WF	04/19/2025 1150 EDT	F	U	661
NC-NCS (NCFS)	NC-NCS-250053	Farm & Slate	WF	04/24/2025 1414 EDT	F	Н	138
NC-NCF (USFS)	NC-NCF-250245	BLACK SWAMP	WF	04/27/2025 1235 EDT	U	U	950
NC-NCS (NCFS)	NC-NCS-250055	Sunset RD	WF	05/02/2025 1100 EDT	F	Н	1,331
NC-NCS (NCFS)	NC-NCS-250056	Willman Road	WF	05/23/2025 1510 EDT	F	Н	115





Distribution of Fires in Helene Damage – FY25

Data period ending 6/18

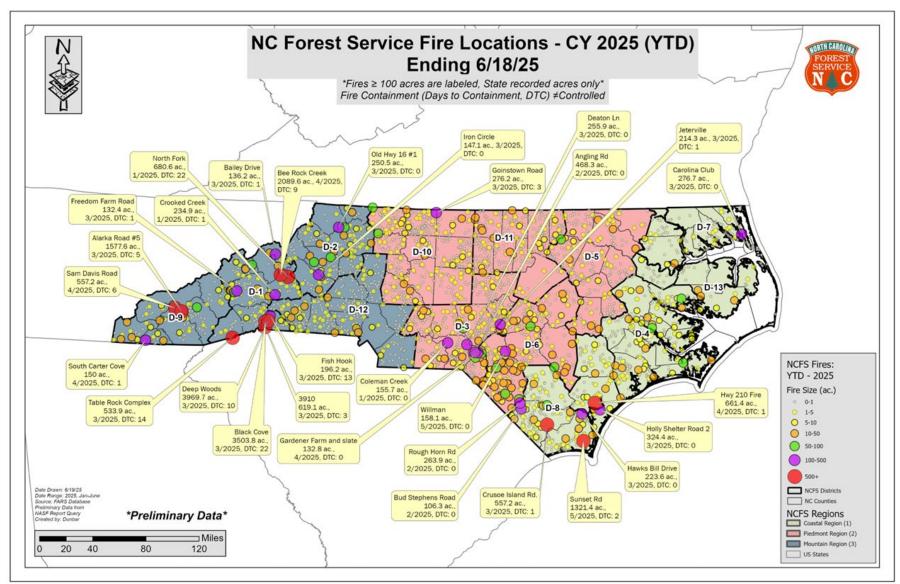






Distribution of Fires – FY25

Data period ending 6/18



Top 10 Years, Jan-May (from 1970-2025)

FARS NASF Report Query –
 Region 3 Counties by Calendar
 Year, binned for Jan-May.

Preliminary Data

Calendar Year (Jan-May)	Count of Fire Discovery Date (Jan - May)	Sum of Final Acreage by Discovery Date (Jan-May)		
2025	1,114	16,584		
1985	1,460	12,158		
1971	1,220	8,650		
2017	965	6,921		
1981	1,464	6,779		
2007	1,430	5,454		
2001	1,482	4,885		
1999	1,276	4,706		
2006	1,502	4,185		
2008	871	4,108		





Top 5 Number of Wildfires and Acres Burned – FY25

By Fire Count

County NCFS Region		# of Wildfires	Wildfire Acres	
Moore Piedmont		189	420	
Robeson Piedmont		173	827	
Richmond Piedmont		172	565	
Columbus Coastal		165	1,391	
Harnett Piedmont		141	453	
Total for th	e 5 counties	840	3,655	
% of ann	nual total	15%	11%	

By Acres

County NCFS Region		Wildfire Acres	# of Wildfires	
Polk	Mountain	8,042	988	
McDowell Mountain		3,534	293	
Swain Mountain		2,168	366	
Haywood Mountain		1,899	108	
Brunswick Coastal		1,773	299	
Total for th	e 5 counties	17,416	2,054	
% of ann	nual total	51%	36%	





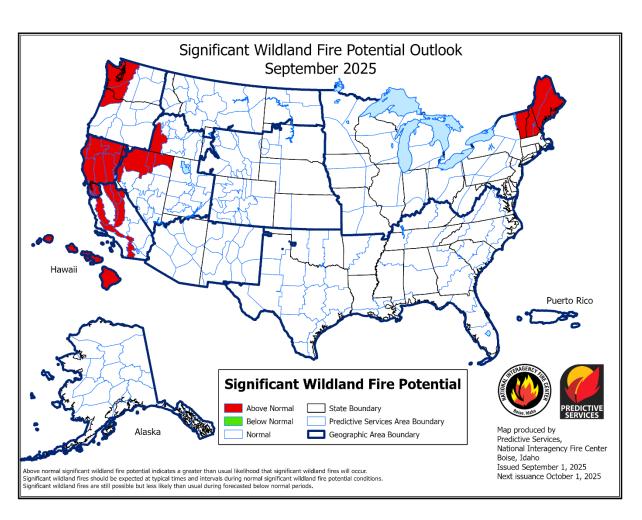
Wildfires by Cause – FY25

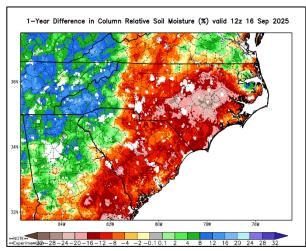
Wildfire Cause	# of Wildfires	Wildfire Acres	% of Annual	% of Annual
whum e cause	# 01 Wildines	# of whalles whalle Acres		Acreage
Camping	66	843	1%	2%
Children	181	205	3%	1%
Debris Burning	2,682	12,168	48%	36%
Fireworks	52	613	1%	2%
Incendiary	276	2,538	5%	7%
Lightning	70	333	1%	1%
Machine Use	629	2,670	11%	8%
Miscellaneous	929	6,827	16%	20%
Railroad	26	17	0%	0%
Smoking	57	602	1%	2%
Undetermined	666	7,450	12%	22%
Total	5,634	34,266	100%	100%

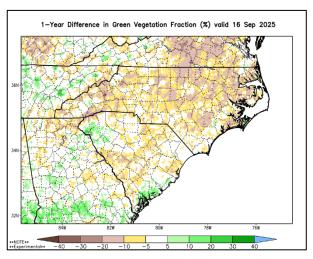


SIGNIFICANT WILDLAND FIRE POTENTIAL OUTLOOK





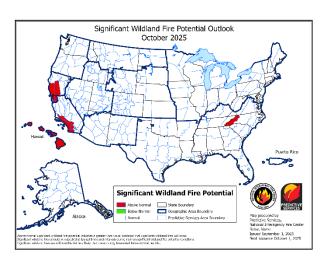




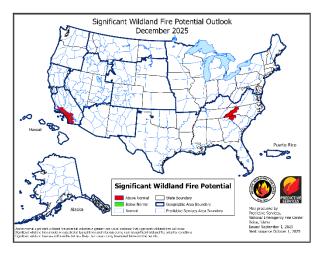


SIGNIFICANT WILDLAND FIRE POTENTIAL OUTLOOK













QUESTIONS?

