

Weekly Fire Danger Assessment NCFS - Region II

For Time Period:
Saturday (3/11/23) to Friday (3/17/23)

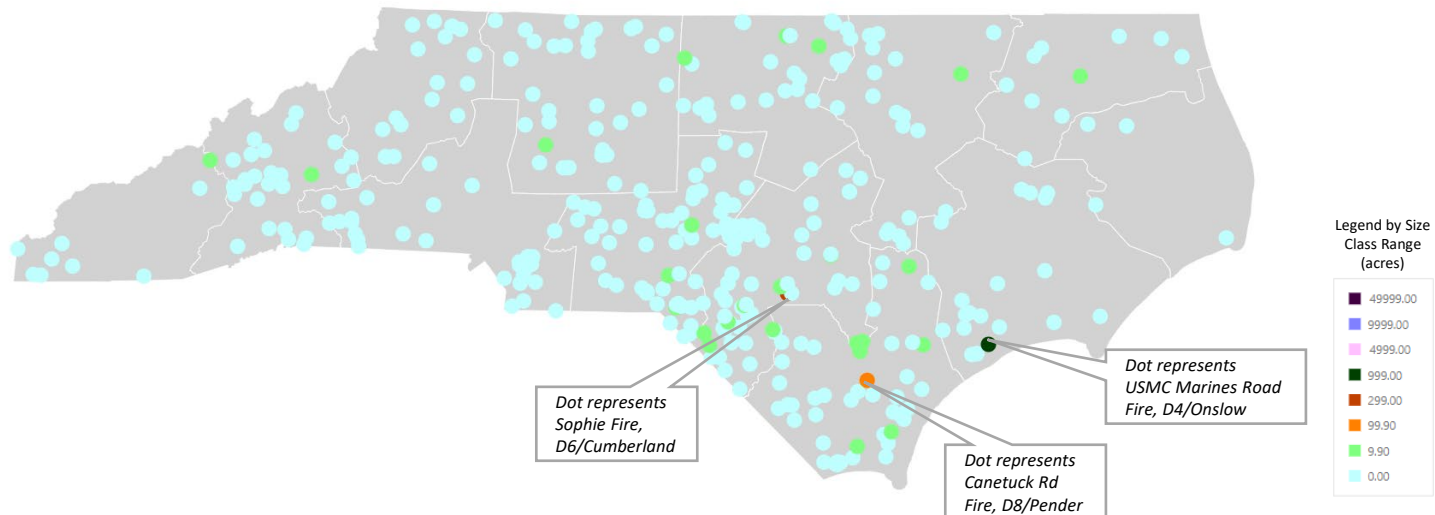
Past Week's Signal 14 Activity

NCFS - Region 2			
Previous 7-Day Fire Activity (Does Not Include Federal Ownerships)			
Data Source:	Signal 14 Regional Activity Summary Report (Signal 14 is a snapshot in time)		
Date Range:	3/3 - 3/9, 2023		
Type	Number	Acres	
Wildfires:	195	736.5	
Prescribed Fires:	61	3,681	

fiResponse Incident Location Map (for general context)

Date Range: 3/3 – 3/9, 2023

Report: Business Intelligence Module, Response Trends Map



Current and Forecasted Fire Danger Conditions by FDRA

R2

Regional Comments for this Week – R2

- This week's low RH values and wind resulted in an increase in fire danger and fast-moving fires.
- Surface fuels, 1hr and 10hr were all consuming.
- 100's and 1000-hr fuels contributed on some fires but not all.
- 100's and 1000-hr fuels on exposed higher slopes in western R2 were being consumed on p burns.
- Trafficability of equipment was an issue on several fires in eastern R2.

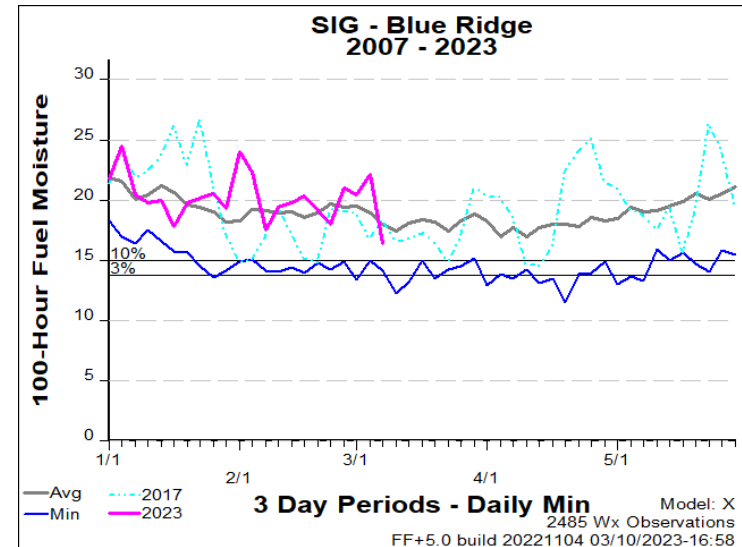
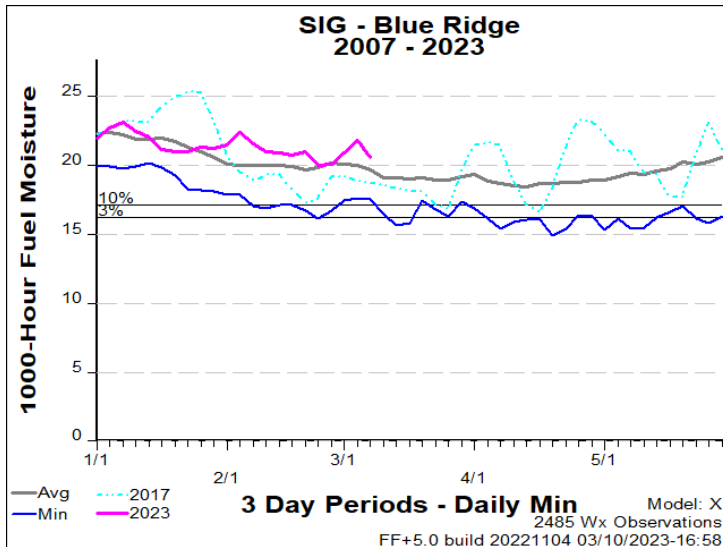
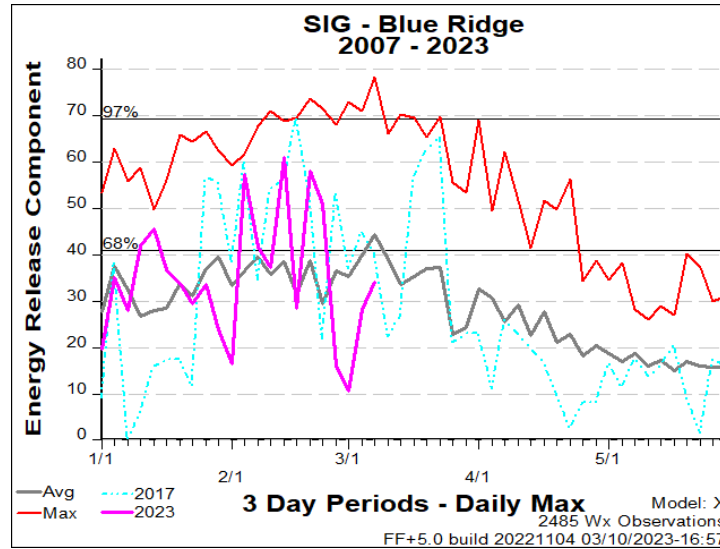
Important notes for next slide group:

A. Current ERC, 100-Hr & 1000-Hr values are extracts from FF+ using observation data downloaded from WIMS.

B. Weekly Outlook - FDRA General Fire Danger Forecast Matrix:

1. The matrix is an adaption of the existing Weekly NCFS Region-3 Fire Danger Assessment Matrix Process.
 - Matrix exposes existing available data in the same fashion, but on all 9 FDRAs.
 - Uses Fire Danger Adjective Rating Concept – Grouped into three bins (see notes on 3 & 4 below).
 - Weather variable ranges were defined by FDRA stakeholders and relate to Pocket Card notes.
 - **Is in development**, with goal being to have this as another tool on FWIP with daily automated updates.
2. The forecast matrix was created from standard NFDRS Forecast Outputs.
 - 7-Day Forecast Cycle from NWS using NFDRS Observations & Outputs generated from SIG Stations in FDRA
3. Fire Danger Forecast Indices/Component Values are grouped into three categories (All Days Filter):
 - Low to Moderate (0-74th Percentile); shown in Blue-Green
 - High (75th-89th Percentile) – shown in Yellow
 - VH to Extreme (90th+ Percentile) – shown in Red, called Critical
4. Dead Fuel Moisture Forecast Values are grouped into three categories (All Days Filter):
 - Low to Moderate (26th-100th Percentile); shown in Blue-Green
 - High (11th-25th Percentile); shown in Yellow
 - VH to Extreme (0-10th Percentile) – shown in Red, called Critical
5. Other Notes:
 - ****Read the Key and Notes associated with each FDRA (included with matrix image).****
 - Forecasts are variable and can change.
 - Is another tool for gaining better situational awareness by exposing the data in an easier to digest format.
 - Feedback is appreciated.

Region Specific – Blue Ridge Escarpment



Weekly Outlook

Blue Ridge Escarpment FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	SAT 11-Mar	SUN 12-Mar	MON 13-Mar	TUE 14-Mar	WED 15-Mar	THU 16-Mar	FRI 17-Mar
Avg. Max. Temp. (°F)	51	42	50	42	51	60	61
Avg. Min. Humidity (%)	32	79	43	36	27	32	47
Avg. 20' Wind Speed (mph)	9	5	12	15	13	7	8
Avg. Wind Direction*	WNW	ESE	WNW	NW	NW	W	WSW
Avg. Probability of Precip. (%)	59	94	14	0	1	17	37
Days Since a Wetting Rain**	5.7	0.0	1.0				
Forecast ERC (Fuel Model X)	30.6	21.1	17.6	33.4	41.9	45.9	37.0
Forecast BI (Fuel Model X)	60.7	48.2	70.0	113.1	117.5	101.4	102.1
Forecast IC (Fuel Model X)	4.9	2.5	4.3	8.8	11.3	10.9	9.7
Forecast 100-Hr. FMC	15.7	16.2	18.2	18.9	18.1	16.8	15.8
Forecast 1000-Hr. FMC	19.2	19.0	19.2	18.9	18.9	18.7	18.2
KBDI	58.3						

Data Source:

- Weather forecasts come from the National Weather Service's [Digital Forecast Database](#). The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the [NFDRS Forecast](#) product does not include precipitation amounts, which are used to adjust KBDI from day to day.

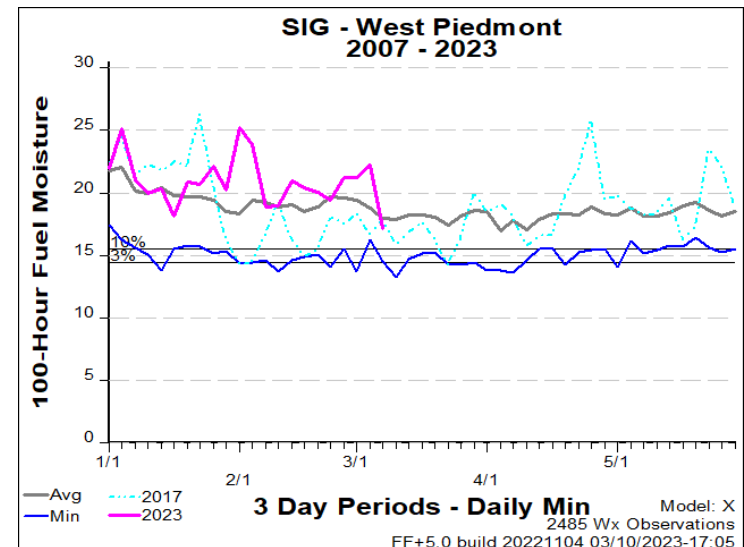
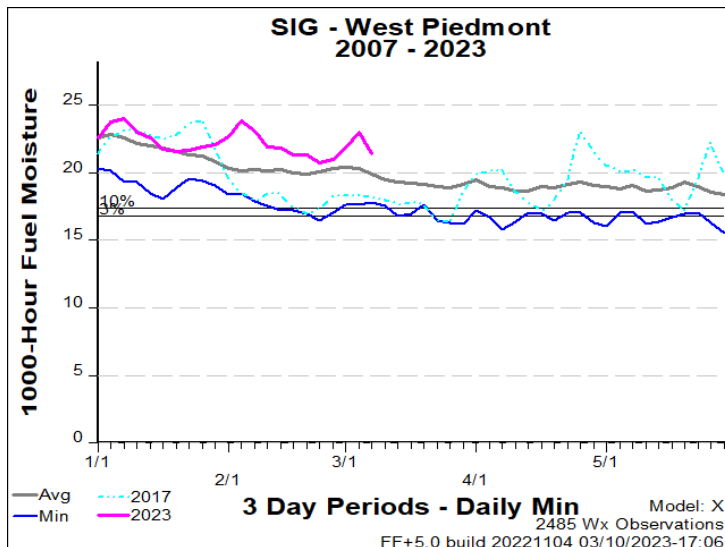
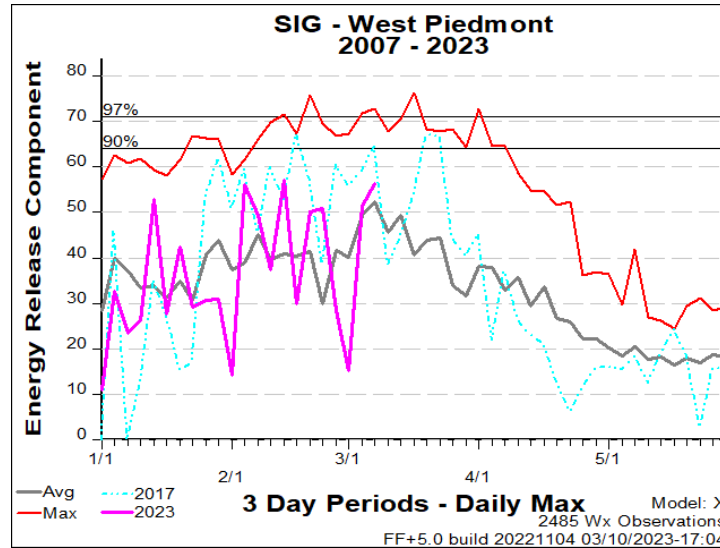
Values in the table above are averages from 3 stations in this FDRA:

- Rendezvous Mtn. (312001)
- North Cove Pinnacle (fr1) (314301)
- Rutherford County (316302)

KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!
Avg. Max. Temp.	Less than 40°F	Between 40°F and 50°F	Greater than 50°F
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%
Avg. 20' Wind Speed	Less than 2 mph	Between 2 mph and 4 mph	Greater than 4 mph
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.		
Days Since a Wetting Rain**	A wetting rain is defined as 0.10" or greater. This is an average of the FDRA stations noted above.		
Energy Release Comp.	Less than 52	Between 52 and 62	Greater than 62
Burning Index	Less than 116	Between 116 and 136	Greater than 136
Ignition Component	Less than 14	Between 14 and 20	Greater than 20
100-Hour Fuel Moisture	Greater than 18%	Between 16% and 18%	Less than 16%
1000-Hour Fuel Moisture	Greater than 19%	Between 18% and 19%	Less than 18%
KBDI	Less than 351	Between 351 and 508	Greater than 508

Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain, and season

Region Specific – Western Piedmont



Weekly Outlook

Western Piedmont FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	SAT 11-Mar	SUN 12-Mar	MON 13-Mar	TUE 14-Mar	WED 15-Mar	THU 16-Mar	FRI 17-Mar
Avg. Max. Temp. (°F)	57	46	59	50	55	64	67
Avg. Min. Humidity (%)	28	77	39	28	25	29	43
Avg. 20' Wind Speed (mph)	9	6	11	15	12	7	11
Avg. Wind Direction*	WNW	E	WSW	WNW	NW	W	SW
Avg. Probability of Precip. (%)	29	91	12	0	0	11	25
Days Since a Wetting Rain**	1.0	0.0	1.0				
Forecast ERC (Fuel Model X)	29.1	26.9	10.6	38.9	46.6	51.5	42.1
Forecast BI (Fuel Model X)	92.9	65.5	48.3	146.8	144.4	114.9	128.0
Forecast IC (Fuel Model X)	5.4	3.6	2.8	10.5	12.3	10.0	10.2
Forecast 100-Hr. FMC	18.2	18.6	19.7	20.6	20.5	19.3	18.1
Forecast 1000-Hr. FMC	23.6	23.5	23.6	23.4	23.3	23.2	23.2
KBDI	70.0						

Data Source:

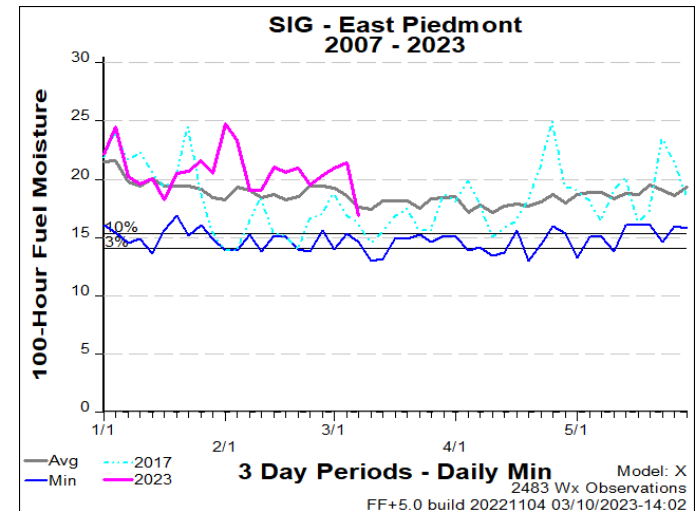
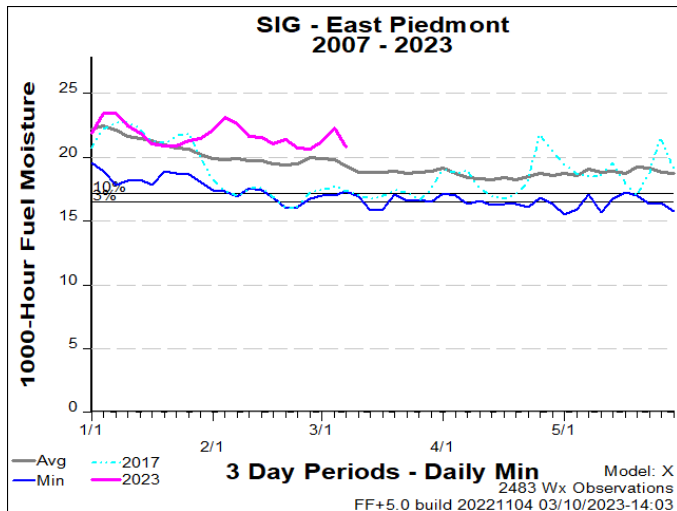
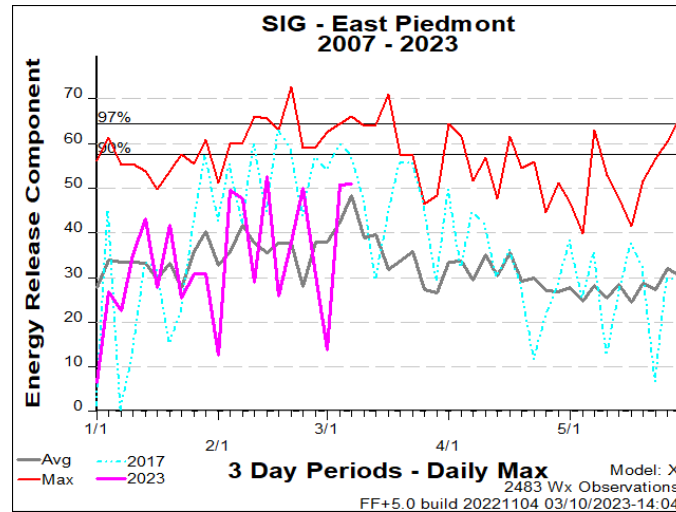
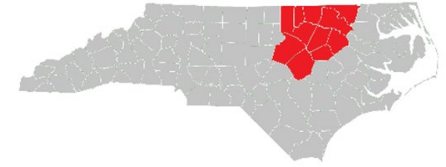
- Weather forecasts come from the National Weather Service's [Digital Forecast Database](#). The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the [NFDRS Forecast](#) product does not include precipitation amounts, which are used to adjust KBDI from day to day

Values in the table above are averages from 3 stations in this FDRA:

- Duke Forest (312501)
- Lexington (314602)
- Mt. Island Lake (316602)

KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!
Avg. Max. Temp.	Less than 40°F	Between 40°F and 50°F	Greater than 50°F
Avg. Min. Humidity	Greater than 35%	Between 30% and 35%	Less than 30%
Avg. 20' Wind Speed	Less than 2 mph	Between 2 mph and 4 mph	Greater than 4 mph
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.		
Days Since a Wetting Rain**	A wetting rain is defined as 0.10" or greater. This is an average of the FDRA stations noted above.		
Energy Release Comp.	Less than 40	Between 40 and 52	Greater than 52
Burning Index	Less than 95	Between 95 and 120	Greater than 120
Ignition Component	Less than 9	Between 9 and 14	Greater than 14
100-Hour Fuel Moisture	Greater than 18%	Between 17% and 18%	Less than 17%
1000-Hour Fuel Moisture	Greater than 19%	Between 18% and 19%	Less than 18%
KBDI	Less than 344	Between 344 and 479	Greater than 479
Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain, and season			

Region Specific – Eastern Piedmont



Weekly Outlook

Eastern Piedmont FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	SAT 11-Mar	SUN 12-Mar	MON 13-Mar	TUE 14-Mar	WED 15-Mar	THU 16-Mar	FRI 17-Mar
Avg. Max. Temp. (°F)	56	47	58	50	54	62	67
Avg. Min. Humidity (%)	27	71	48	30	26	30	43
Avg. 20' Wind Speed (mph)	11	5	13	16	15	8	11
Avg. Wind Direction*	WNW	E	W	WNW	WNW	W	SW
Avg. Probability of Precip. (%)	8	91	16	0	0	7	17
Days Since a Wetting Rain**	1.0	0.0	0.5				
Forecast ERC (Fuel Model X)	17.7	25.0	6.9	29.8	37.3	40.3	33.6
Forecast BI (Fuel Model X)	63.1	47.7	33.9	111.8	122.6	86.2	99.0
Forecast IC (Fuel Model X)	3.9	2.9	1.5	9.6	11.5	8.3	9.1
Forecast 100-Hr. FMC	18.0	18.2	19.1	20.4	20.6	19.3	18.1
Forecast 1000-Hr. FMC	23.0	22.9	23.1	22.9	22.7	22.7	22.7
KBDI	84.5						

Data Source:

- Weather forecasts come from the National Weather Service's [Digital Forecast Database](#). The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the [NFDRS Forecast](#) product does not include precipitation amounts, which are used to adjust KBDI from day to day

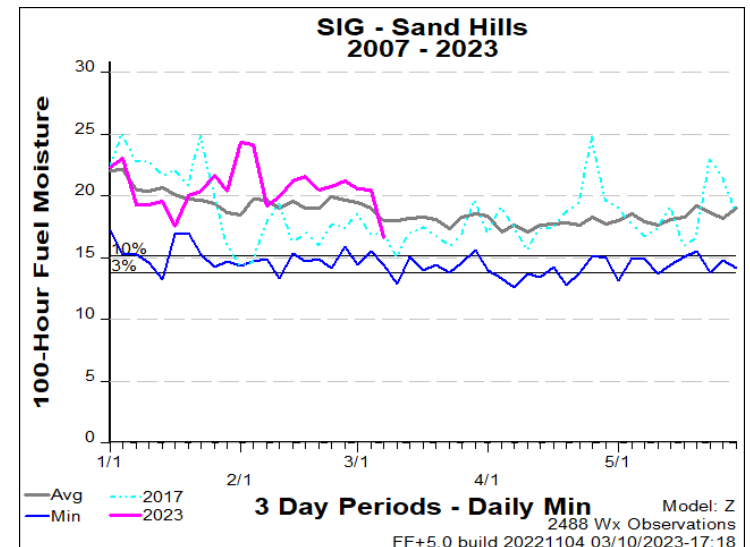
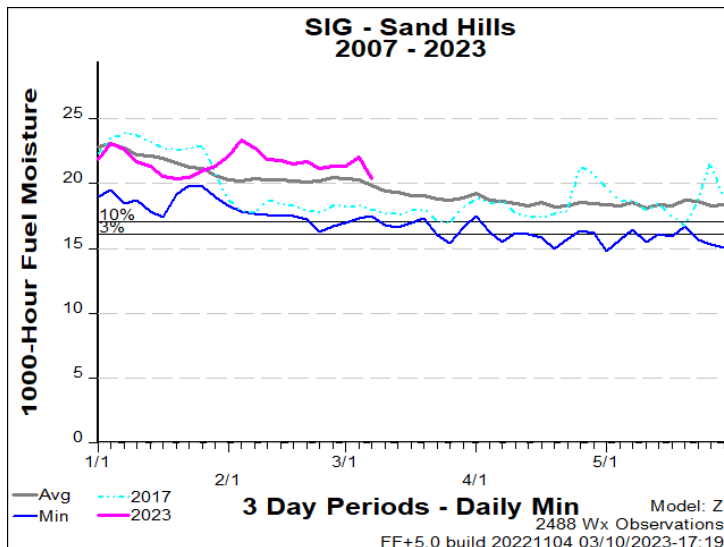
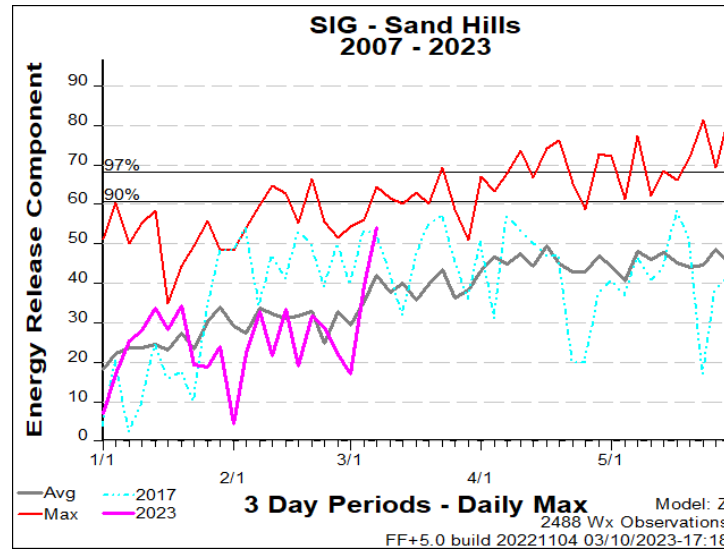
Values in the table above are averages from 4 stations in this FDRA:

- Oxford Tobacco Research Stn (310841)
- Upper Coastal Plain Res Stn (312940)
- Lake Wheeler Rd Field Lab (314941)
- Central Crops Research Station (317441)

KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!
Avg. Max. Temp.	Less than 50°F	Between 50°F and 60°F	Greater than 60°F
Avg. Min. Humidity	Greater than 40%	Between 35% and 40%	Less than 35%
Avg. 20' Wind Speed	Less than 10 mph	Between 10 mph and 15 mph	Greater than 15 mph
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.		
Days Since a Wetting Rain**	A wetting rain is defined as 0.10" or greater. This is an average of the FDRA stations noted above.		
Energy Release Comp.	Less than 54.2	Between 54.2 and 61.7	Greater than 61.7
Burning Index	Less than 109.3	Between 109.3 and 130.5	Greater than 130.5
Ignition Component	Less than 12.7	Between 12.7 and 16.8	Greater than 16.8
100-Hour Fuel Moisture	Greater than 17.6%	Between 16.4% and 17.6%	Less than 16.4%
1000-Hour Fuel Moisture	Greater than 18.3%	Between 17.5% and 18.3%	Less than 17.5%
KBDI	Less than 337	Between 337 and 460	Greater than 460

Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain, and season

Region Specific – Sandhills



Weekly Outlook

Sandhills FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	SAT 11-Mar	SUN 12-Mar	MON 13-Mar	TUE 14-Mar	WED 15-Mar	THU 16-Mar	FRI 17-Mar
Avg. Max. Temp. (°F)	58	50	62	53	57	64	69
Avg. Min. Humidity (%)	29	70	40	26	23	27	40
Avg. 20' Wind Speed (mph)	9	7	12	14	13	7	11
Avg. Wind Direction*	WNW	E	WSW	NW	NW	W	SW
Avg. Probability of Precip. (%)	11	89	8	0	0	6	15
Days Since a Wetting Rain**	1.0	0.0	0.7				
Forecast ERC (Fuel Model Z)	24.1	34.6	13.0	32.4	38.1	41.6	36.4
Forecast BI (Fuel Model Z)	38.6	33.6	30.0	56.2	55.8	39.6	48.3
Forecast IC (Fuel Model Z)	4.5	4.8	3.2	11.0	12.1	8.8	9.6
Forecast 100-Hr. FMC	18.2	18.7	19.9	21.0	20.8	19.4	18.2
Forecast 1000-Hr. FMC	23.1	22.8	23.1	22.9	22.8	22.8	22.8
KBDI	155.3						

Data Source:

- Weather forecasts come from the National Weather Service's [Digital Forecast Database](#). The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the [NFDRS Forecast](#) product does not include precipitation amounts, which are used to adjust KBDI from day to day

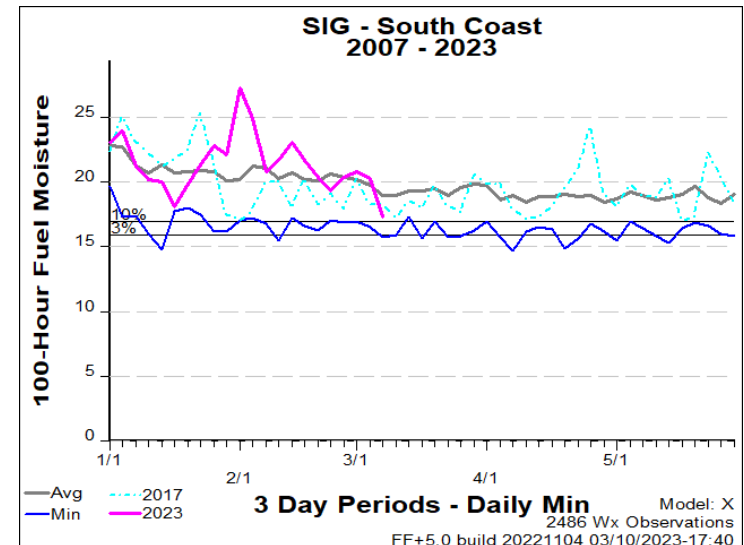
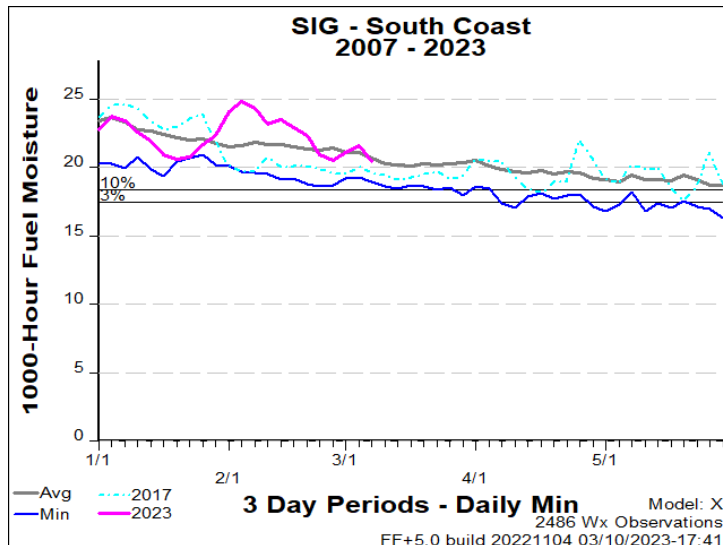
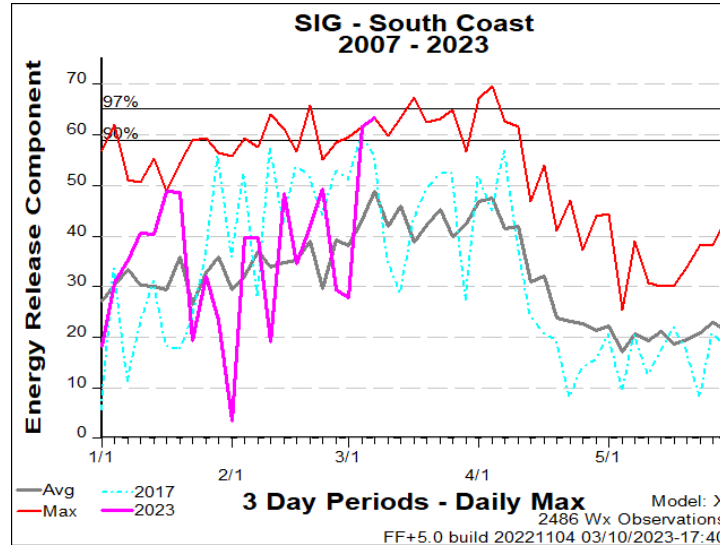
Values in the table above are averages from 3 stations in this FDRA:

- Sandhills Research Station (317040)
- Rockingham (318202)
- Fort Bragg (318503)

KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!
Avg. Max. Temp.	Less than 50°F	Between 50°F and 60°F	Greater than 60°F
Avg. Min. Humidity	Greater than 40%	Between 30% and 40%	Less than 30%
Avg. 20' Wind Speed	Less than 4 mph	Between 4 mph and 8 mph	Greater than 8 mph
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.		
Days Since a Wetting Rain**	A wetting rain is defined as 0.10" or greater. This is an average of the FDRA stations noted above.		
Energy Release Comp.	Less than 52.4	Between 52.4 and 62	Greater than 62
Burning Index	Less than 45.6	Between 45.6 and 53.3	Greater than 53.3
Ignition Component	Less than 13.6	Between 13.6 and 18.8	Greater than 18.8
100-Hour Fuel Moisture	Greater than 17.4%	Between 16% and 17.4%	Less than 16%
1000-Hour Fuel Moisture	Greater than 18.2%	Between 17.2% and 18.2%	Less than 17.2%
KBDI	Less than 397	Between 397 and 500	Greater than 500

Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain, and season

Region Specific – South Coast



Weekly Outlook

Southern Coastal FDRA - General Fire Danger Forecast

For planning purposes only; forecast is subject to change

Four or more **RED** blocks in a day signals the potential for a **Critical Fire Day**

DAY	SAT 11-Mar	SUN 12-Mar	MON 13-Mar	TUE 14-Mar	WED 15-Mar	THU 16-Mar	FRI 17-Mar
Avg. Max. Temp. (°F)	58	56	63	54	56	63	71
Avg. Min. Humidity (%)	31	57	51	30	27	29	41
Avg. 20' Wind Speed (mph)	10	5	9	12	11	6	7
Avg. Wind Direction*	WNW	E	W	NW	NW	WNW	SW
Avg. Probability of Precip. (%)	2	88	16	0	0	4	12
Days Since a Wetting Rain**	5.9	0.0	0.0				
Forecast ERC (Fuel Model X)	25.9	34.1	8.1	40.0	45.5	47.5	39.3
Forecast BI (Fuel Model X)	103.5	65.4	35.6	121.6	121.8	82.8	98.7
Forecast IC (Fuel Model X)	6.2	4.0	1.8	9.6	10.3	7.4	8.6
Forecast 100-Hr. FMC	19.0	19.2	20.5	21.4	20.9	19.5	18.2
Forecast 1000-Hr. FMC	22.9	22.8	23.0	22.8	22.7	22.7	22.6
KBDI	261.9						

Data Source:

- Weather forecasts come from the National Weather Service's [Digital Forecast Database](#). The wind speed and direction, and probability of precipitation, are calculated as averages of the 1 am, 7 am, 1 pm, and 7 pm forecasts. The 20-foot wind speed is estimated from the 10-meter forecast using the log wind profile method.
- Days since a wetting rain is calculated using a combination of historical data (to determine the most recent wetting rain event) and forecasted precipitation amounts. These forecasted amounts are only available for the first three days of the forecast period.
- Fire danger forecasts for the next 7 days are issued by National Weather Service through WIMS. KBDI is only available on the first forecast day since the [NFDRS Forecast](#) product does not include precipitation amounts, which are used to adjust KBDI from day to day.

Values in the table above are averages from 7 stations in this FDRA:

- Finch's Station (317501)
- Beaufort (317801)
- New Bern (319004)
- Turnbull Creek (319302)
- Hofmann Forest (319507)
- Whiteville (319701)
- Sunny Point (319803)

KEY	Low to Moderate Burning Conditions	Burning Conditions Can be High CAUTION	Burning Conditions Can be Critical WATCH OUT!
Avg. Max. Temp.	Less than 50°F	Between 50°F and 65°F	Greater than 65°F
Avg. Min. Humidity	Greater than 40%	Between 35% and 40%	Less than 35%
Avg. 20' Wind Speed	Less than 5 mph	Between 5 mph and 10 mph	Greater than 10 mph
Avg. Wind Direction*	Criticality of wind direction is highly dependent on burn operations and/or structures threatened.		
Days Since a Wetting Rain**	A wetting rain is defined as 0.10" or greater. This is an average of the FDRA stations noted above.		
Energy Release Comp.	Less than 36.4	Between 36.4 and 47.2	Greater than 47.2
Burning Index	Less than 68.3	Between 68.3 and 89.5	Greater than 89.5
Ignition Component	Less than 7.9	Between 7.9 and 12	Greater than 12
100-Hour Fuel Moisture	Greater than 18.2%	Between 17.3% and 18.2%	Less than 17.3%
1000-Hour Fuel Moisture	Greater than 19%	Between 18% and 19%	Less than 18%
KBDI	Less than 385	Between 385 and 486	Greater than 486

Other factors to consider when determining fire danger: sky conditions, precipitation amount, number of days since rain, and season

Outlook Summary Table – R2

Summary Table by FDRA using count of colored blocks in a day’s forecast.

Forecast Subject to Change

Key: 4+ Red Blocks on a Day = “Critical” Day Potential; Red Color
 4+ Yellow or Combo of Yellow/Red = “High” Day Potential; Yellow Color
 6+ Blue-Green Blocks = “Low to Mod” Potential Day; Blue-green Color

Date	Day of Week	FDRA Matrix Summary - NCFS Region 2				
		Blue Ridge Escarp	Western Piedmont	Eastern Piedmont	Sandhills	South Coast
11-Mar	Sat	High	Low/Mod	Low/Mod	Low/Mod	High
12-Mar	Sun	High	Low/Mod	Low/Mod	Low/Mod	Low/Mod
13-Mar	Mon	Low/Mod	Low/Mod	Low/Mod	Low/Mod	Low/Mod
14-Mar	Tues	Low/Mod	High	High	High	High
15-Mar	Weds	High	Critical	High	High	High
16-Mar	Thurs	High	High	Low/Mod	Low/Mod	High
17-Mar	Fri	High	High	Low/Mod	High	High

Weather Outlook Discussion

Raleigh NWS:

.DISCUSSION...

A low pressure system will continue east away from the region by this evening. High pressure will build in tonight through Saturday night, then another storm system will move through the area Sunday through Monday.

.FORECAST FOR DAYS 3 THROUGH 7...

MONDAY...Mostly cloudy. Rain likely. Lows in the lower 40s. Highs in the upper 50s. Northwest winds 10 to 15 mph.

.TUESDAY...Mostly clear. Lows in the lower 30s. Highs in the lower 50s. Northwest winds 15 to 20 mph.

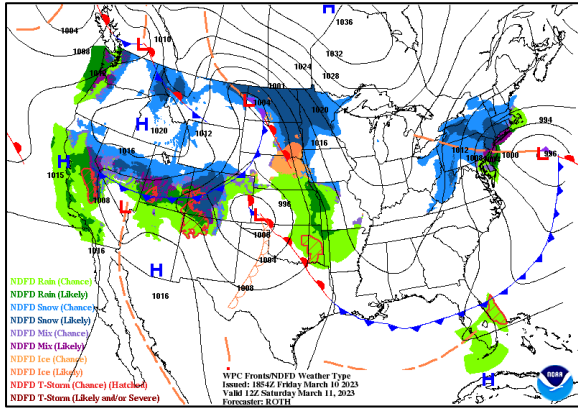
.WEDNESDAY...Clear. Lows around 30. Highs in the mid 50s. Northwest winds 10 to 15 mph.

.THURSDAY...Mostly clear. Lows in the lower 30s. Highs in the lower 60s. West winds 10 to 15 mph.

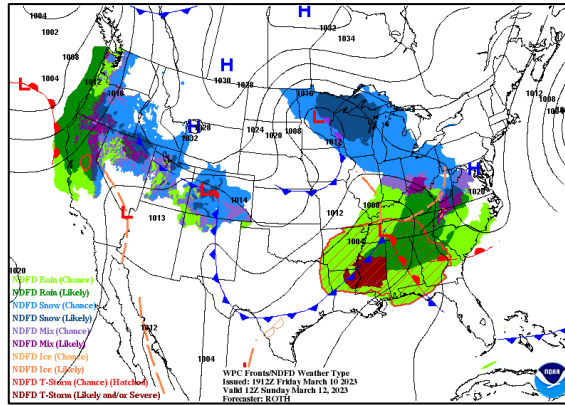
.FRIDAY...Partly cloudy. Lows around 40. Highs in the upper 60s. Southwest winds 10 to 15 mph.

WPC Forecasted Surface Fronts & Sea-Level Pressures

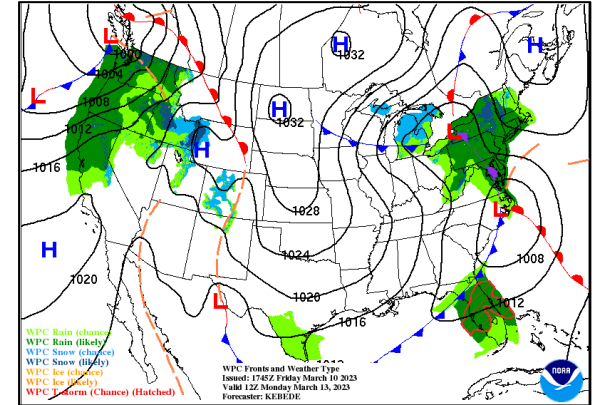
Saturday - 700 am



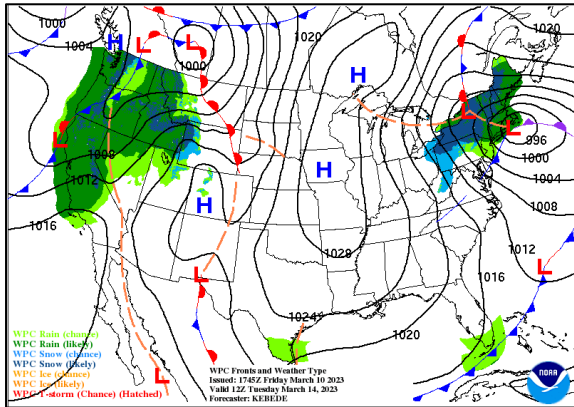
Sunday - 700 am



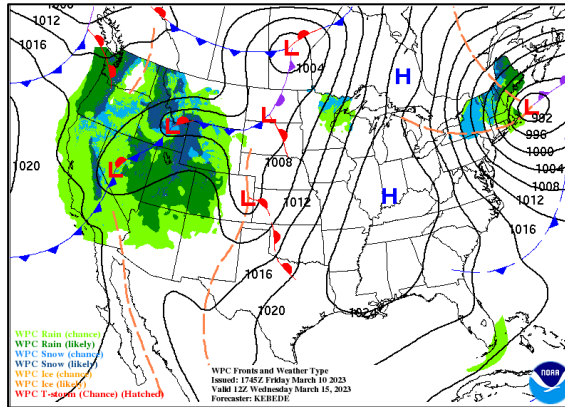
Monday - 700 am



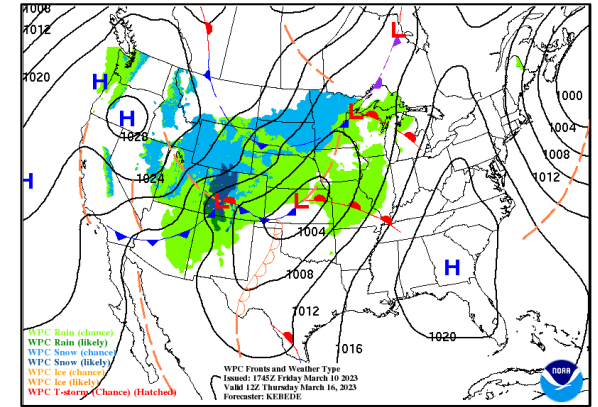
Tuesday - 700 am



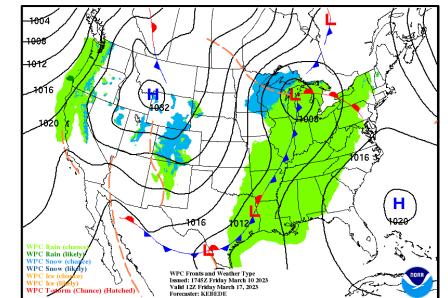
Wednesday - 700 am



Thursday - 700 am

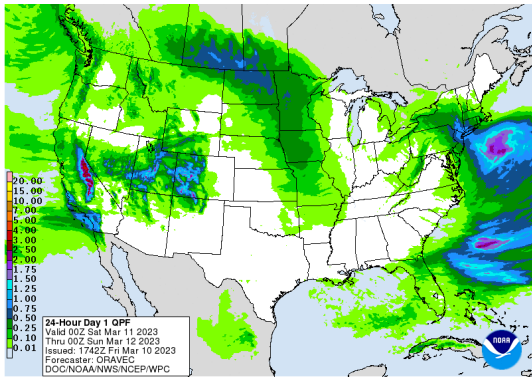


Friday - 700 am

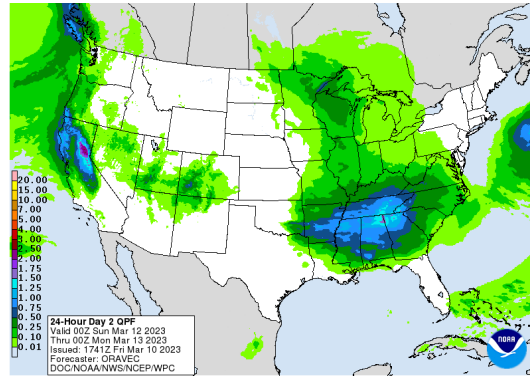


Quantitative Precipitation Forecast, 7-Day

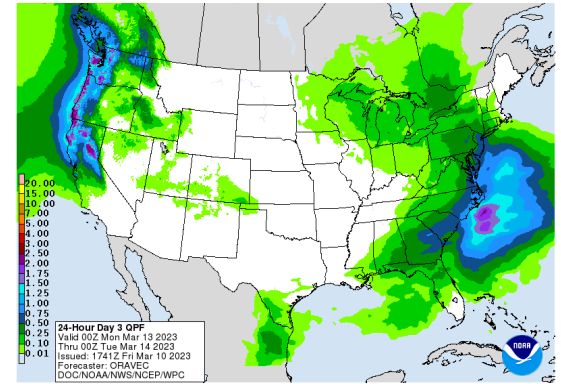
Day - 1



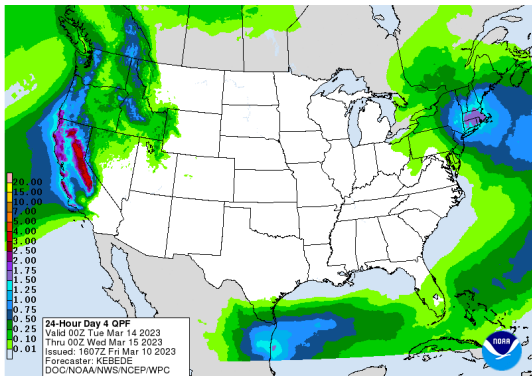
Day - 2



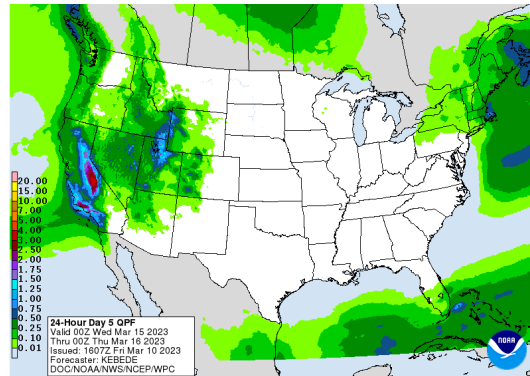
Day - 3



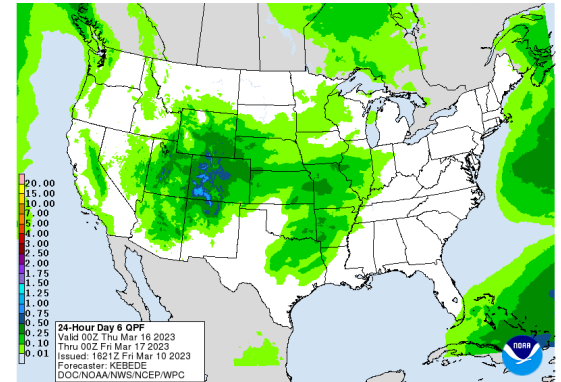
Day - 4



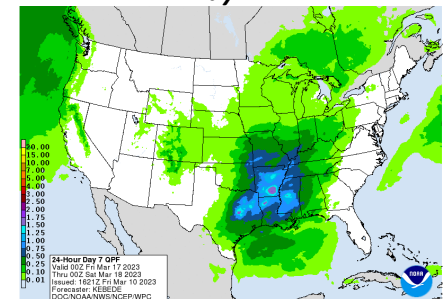
Day - 5



Day - 6

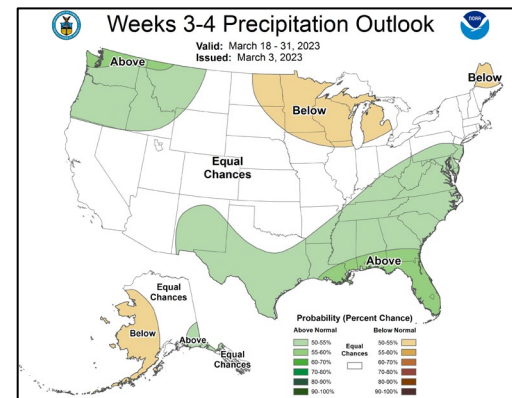
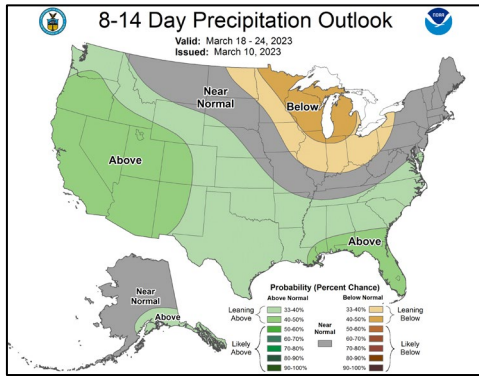
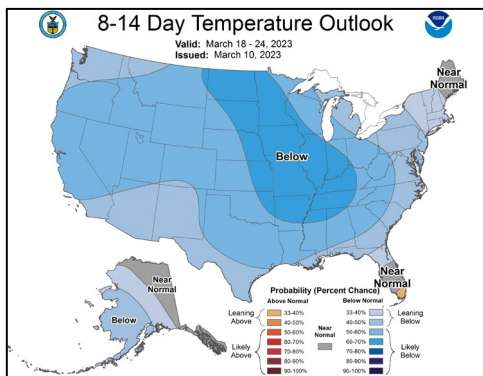
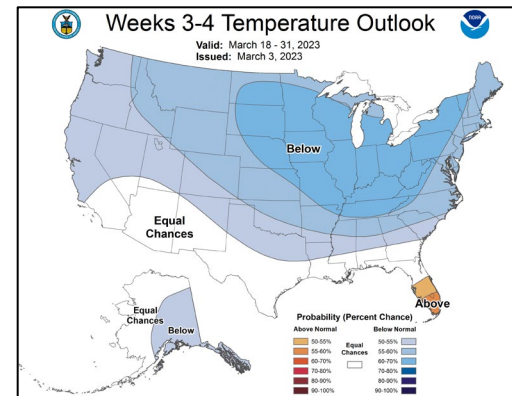
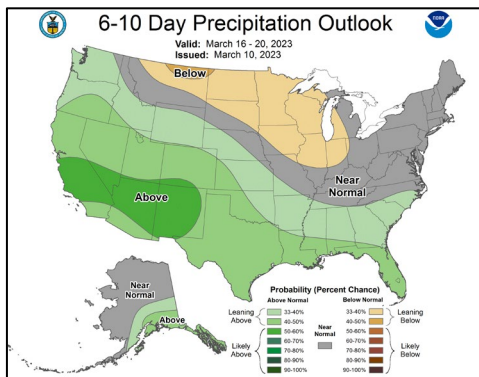
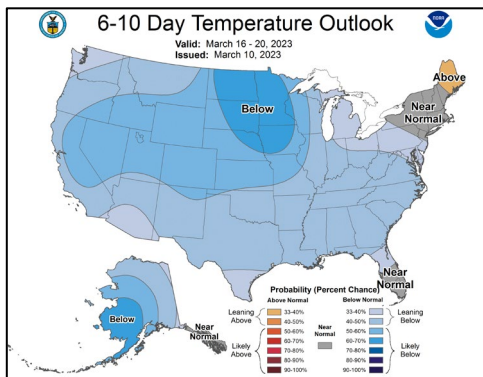


Day - 7



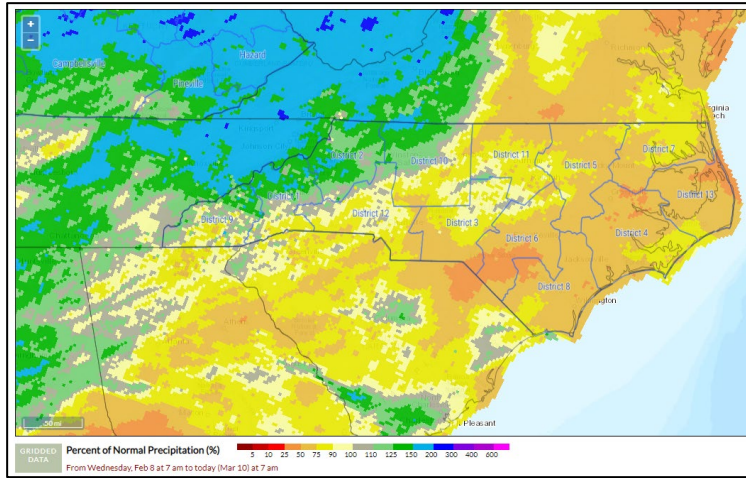
Temp & Precip Outlook

6-10 Day, 8-14 Day & Week 3-4

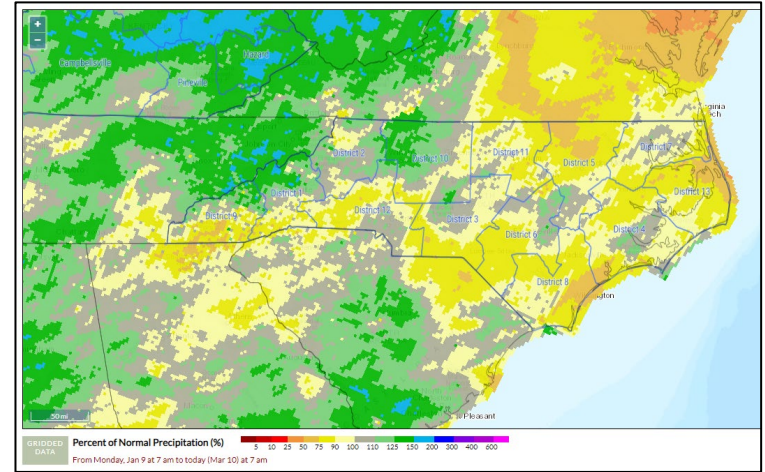


Percent of Normal Precip, *FWIP* (Ending 0700 3/10)

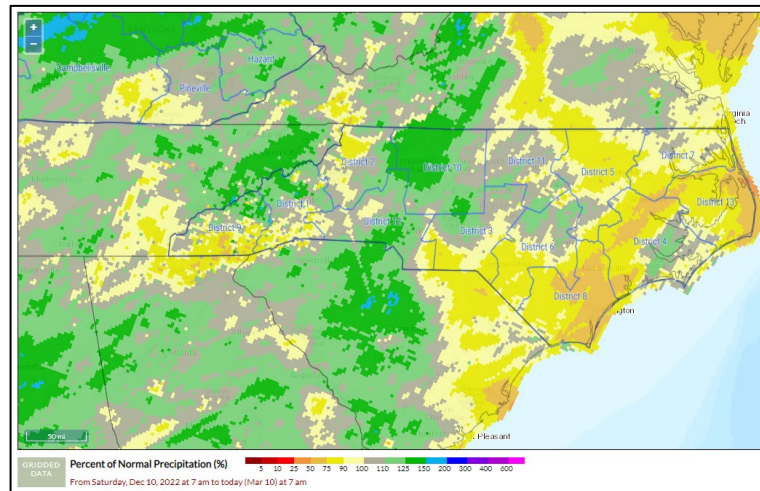
30-Day % of Normal



60-Day % of Normal

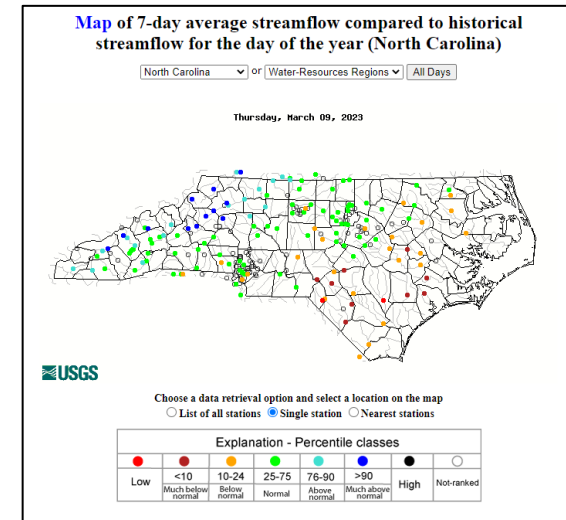
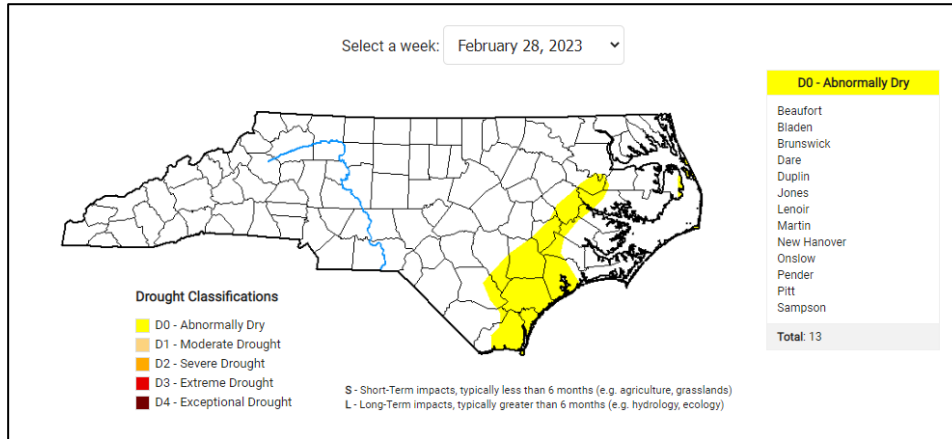


90-Day % of Normal

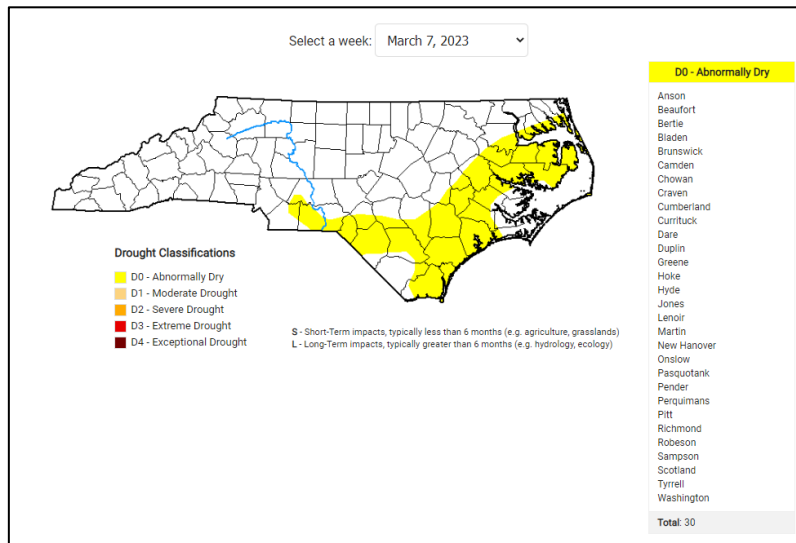


Drought Situation

Previous Week:



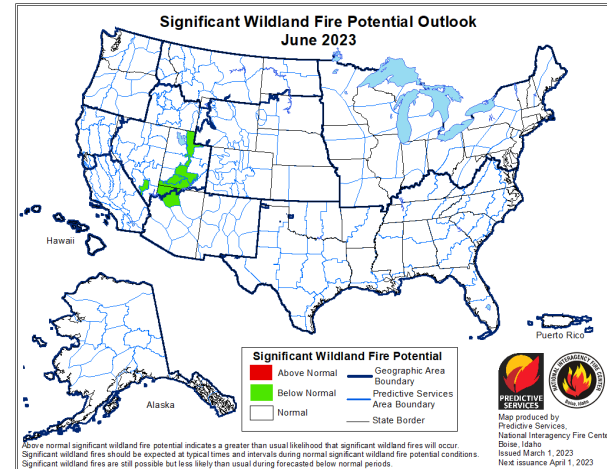
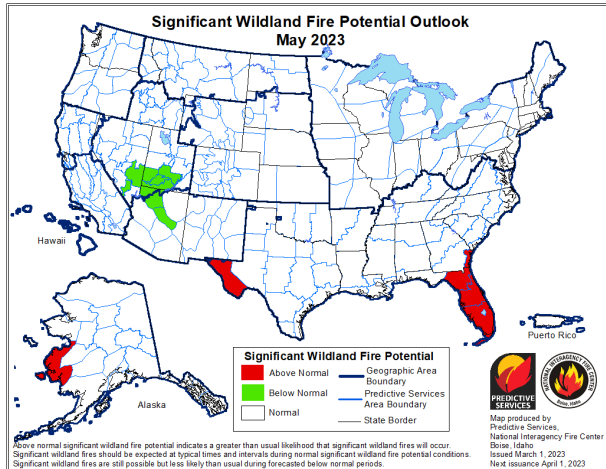
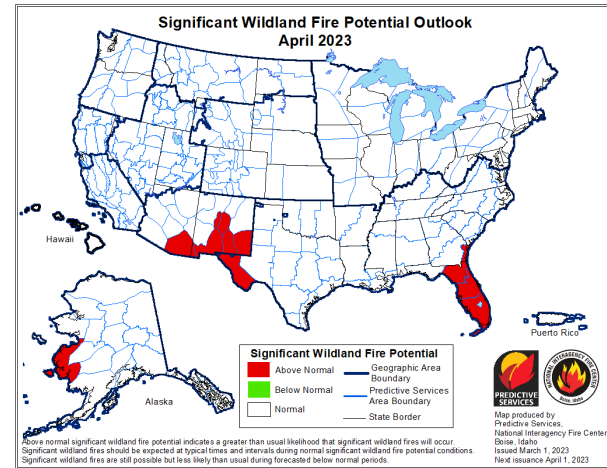
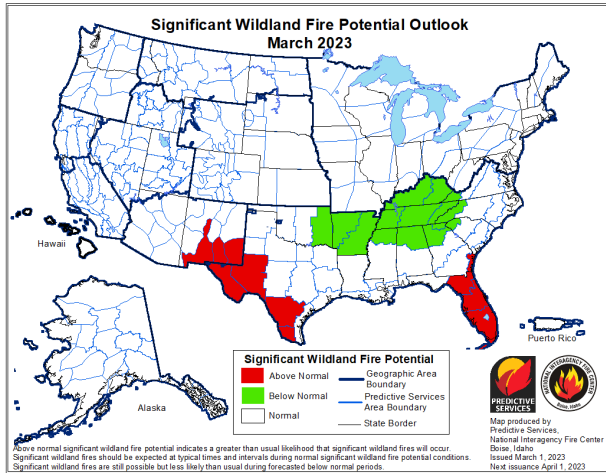
Current Week:



- D-0 Drought Expansion from last week
- 7-Day Stream flow averages also decreasing East

Significant Wildland Fire Potential Outlook:

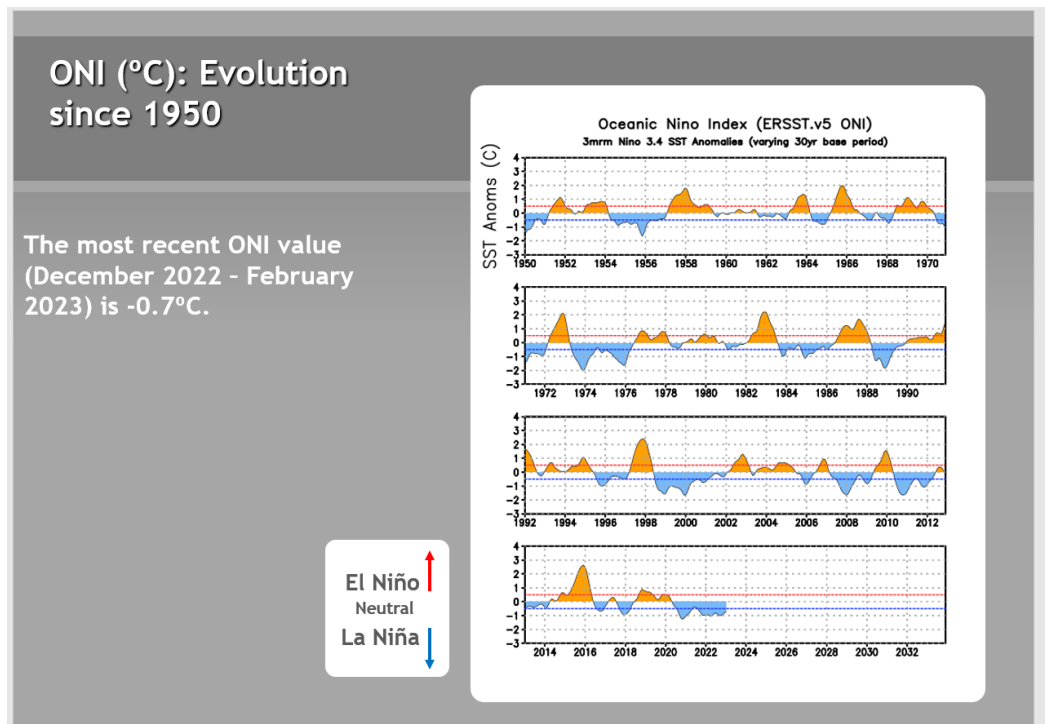
Updated 3/1/23



A significant fire is one that requires resources from outside the district (other than aviation). IA potential is based more on shorter term weather factors. Just a few days of dry weather can increase IA activity considerably as we have already seen this year.

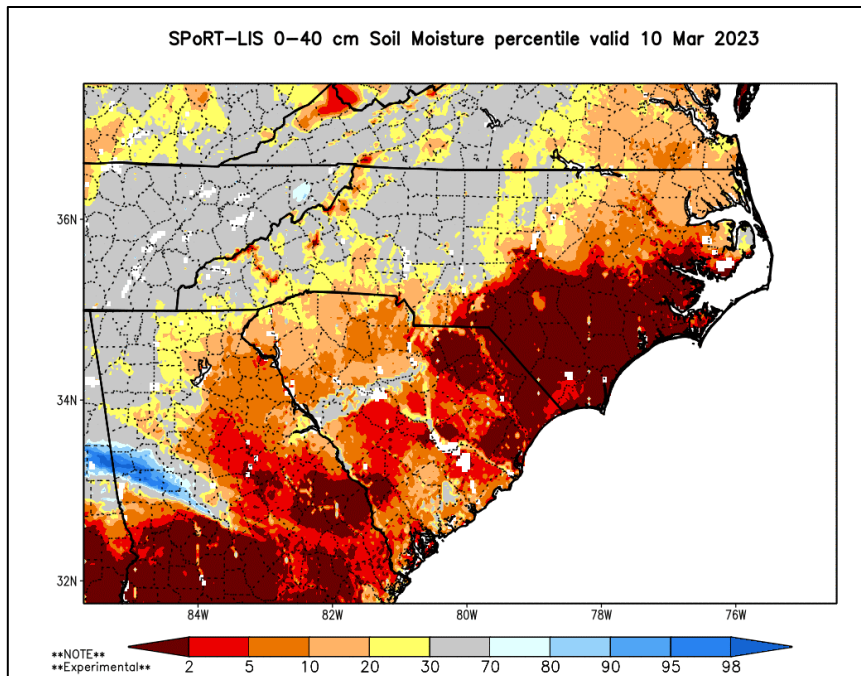
ENSO Note

- 3/9/23 Update - La Nina has officially ended.
- ENSO-Neutral conditions expected to continue through spring and early summer of 2023. Signs point to El Nino development in late summer.



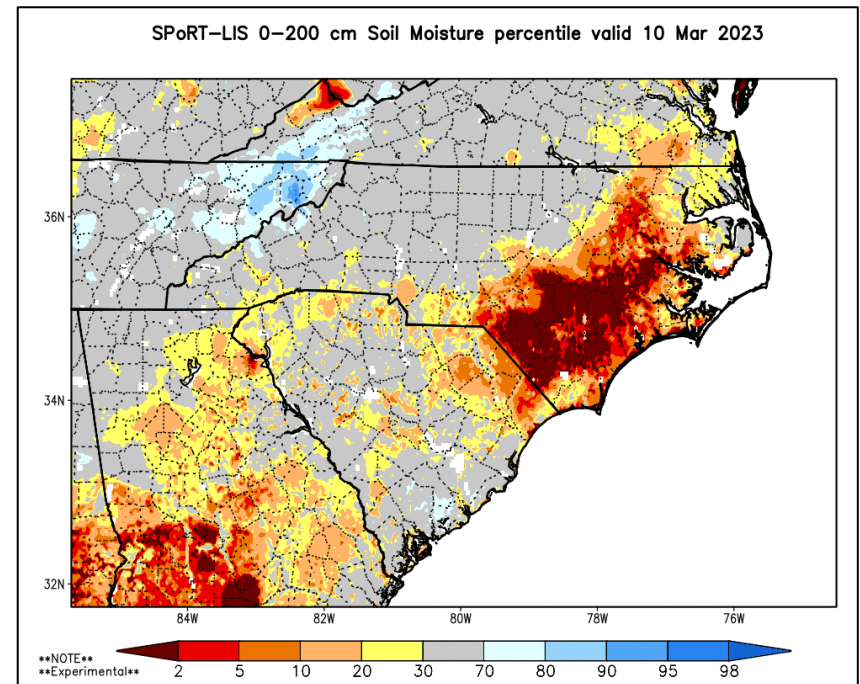
SPoRT Relative Soil Dryness

0-40 cm Depth

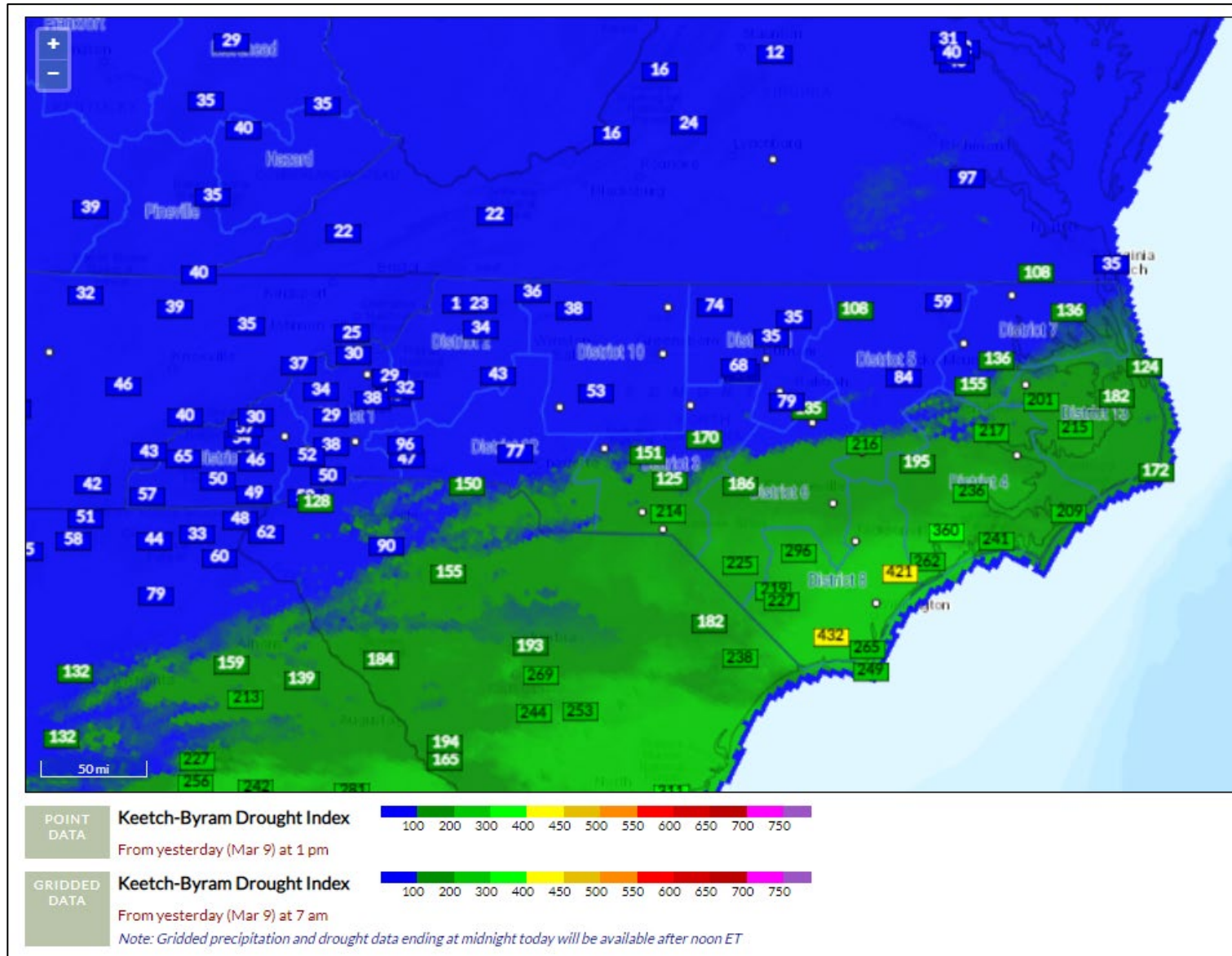


- Modeled Drying Trend Continues 0-2 Meter Depth, especially to the East & South

0-200 cm Depth

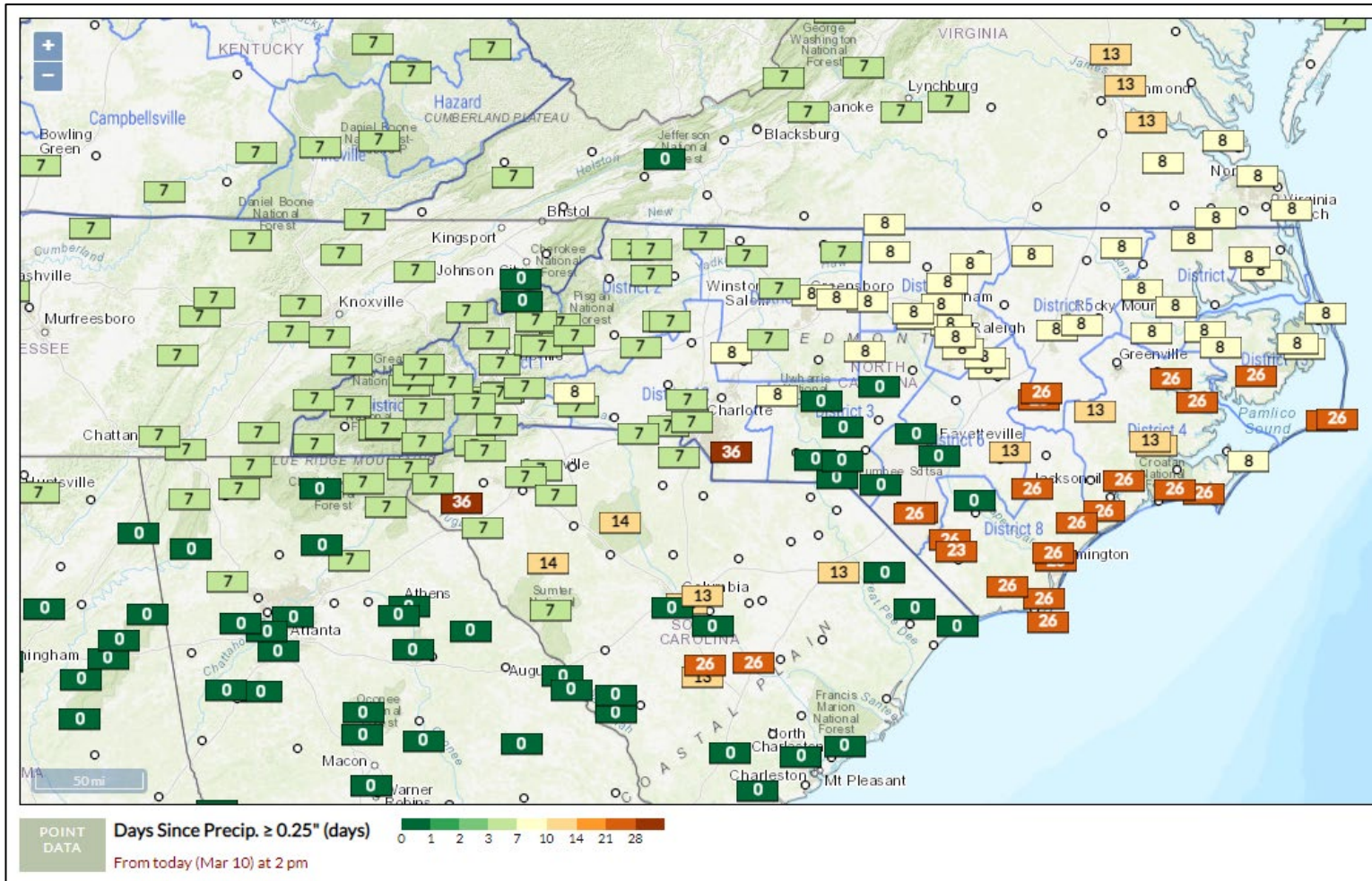


KBDI - Gridded & Station Points (FWIP)



Days Since Daily Precip $\geq 0.25''$

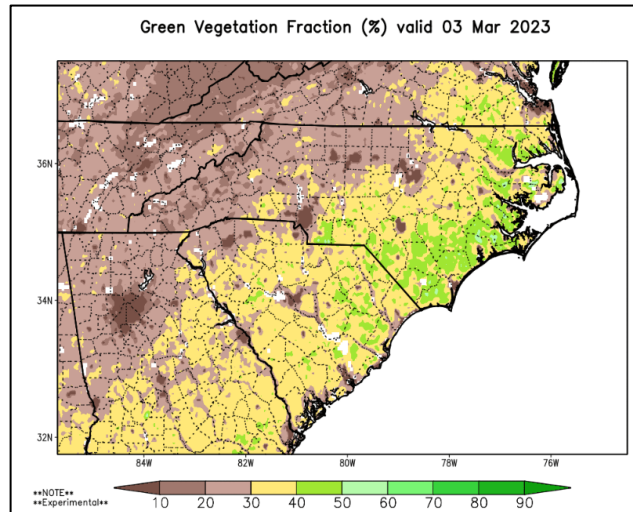
Note – Latest product run was on 3/10/23 at 1400.
Does not consider rainfall after that point.



Green Fraction & Green-Up Anomaly

- Generally, 2-3 Weeks Ahead of 30-Yr Avg
- Frost/Freeze Concerns

Last Week



Current

