



Wildfire Activity: A Look Back and Outlook for Spring / Summer 2018

The Drought Management Advisory Council
Annual Meeting
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NC Forest Service Wildfire Activity

Period	# Fires*	# Acres*
4/1/17-3/31/18	3,784	10,179
Previous Year	5,403	61,971
10 Year AVG	4,898	32,017
Deviation from AVG %	-23	-68

* These numbers do not include fires on federal lands.



Keetch-Byram Drought Index (KBDI)

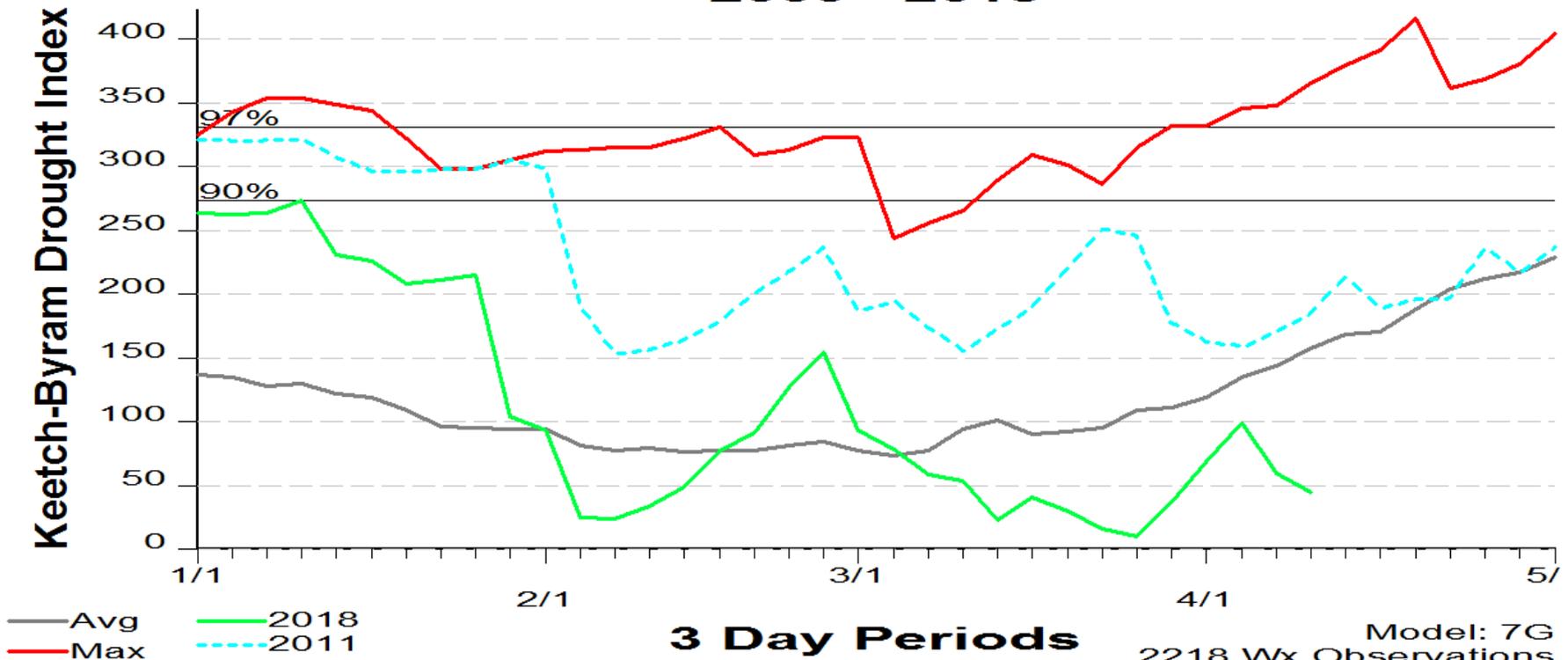
KBDI is a soil/duff drought index that ranges from 0 (no drought) to 800 (extreme drought) and is based on soil capacity of 8 inches of water. Factors include latitude, maximum daily temperature, daily precipitation, antecedent precipitation, and annual average precipitation.

- Between **0 and 200**, soil moisture and large class fuel moistures are high and do not contribute significantly to fire intensity.
- Readings of **201-400** are typical of late spring, early growing season. Lower litter and duff layers are drying and beginning to contribute to fire intensity.
- Readings of **401-600** indicate a possible burgeoning drought and are seen in late summer/early fall in drier years. Lower litter and duff layers burn intensely.
- Readings of **601-800** are associated with severe drought. Intense, deep burning fires with significant downwind spotting. Extensive mop-up required. Live fuels burn actively.



Sandhills KBDI, Winter/Spring 2018

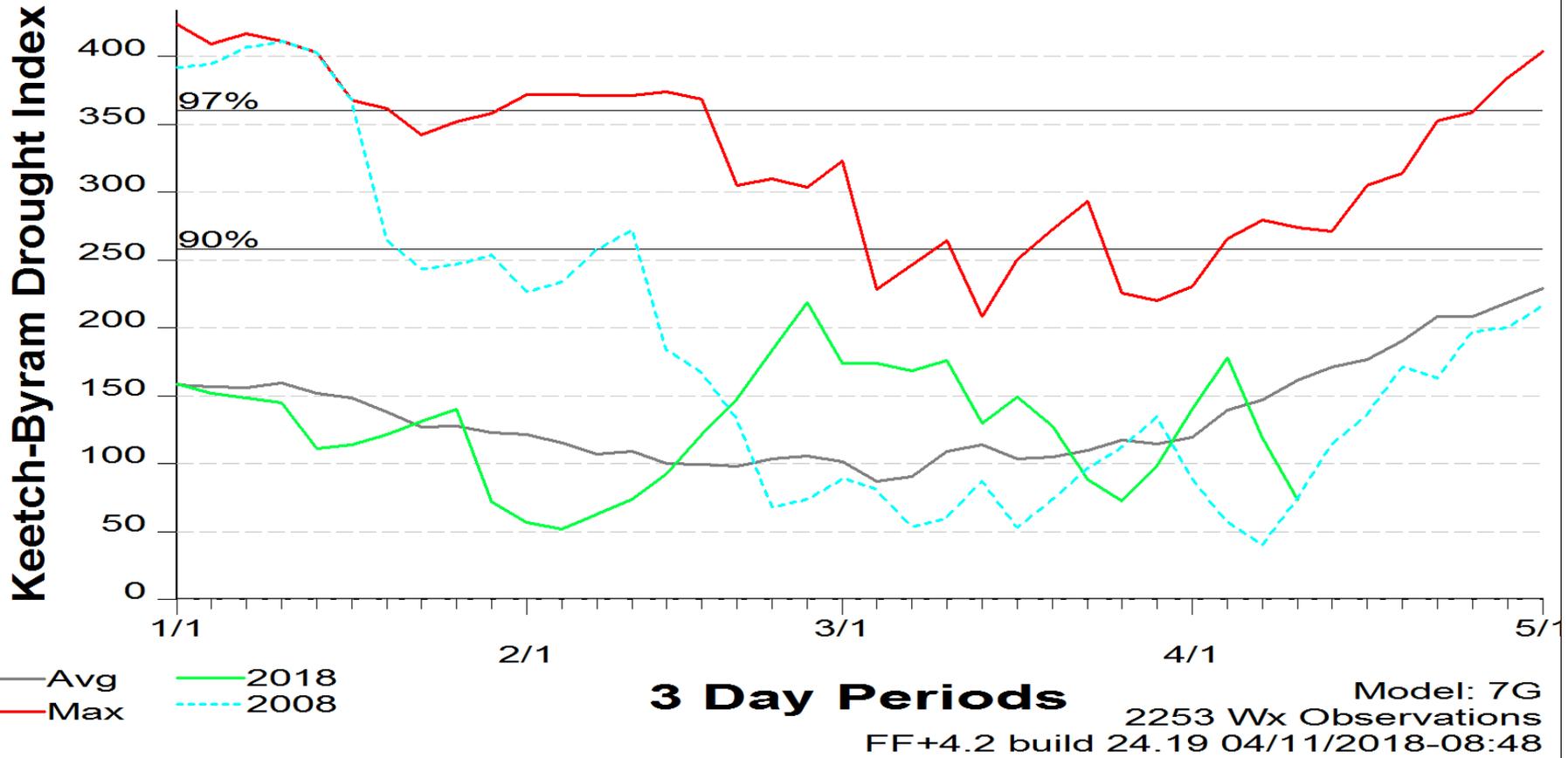
**SIG - Sand
2000 - 2018**





South Coastal KBDI, Winter/Spring 2018

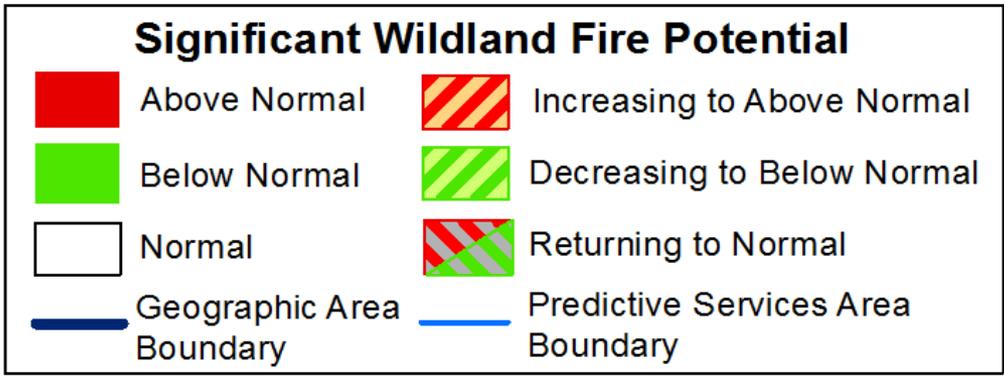
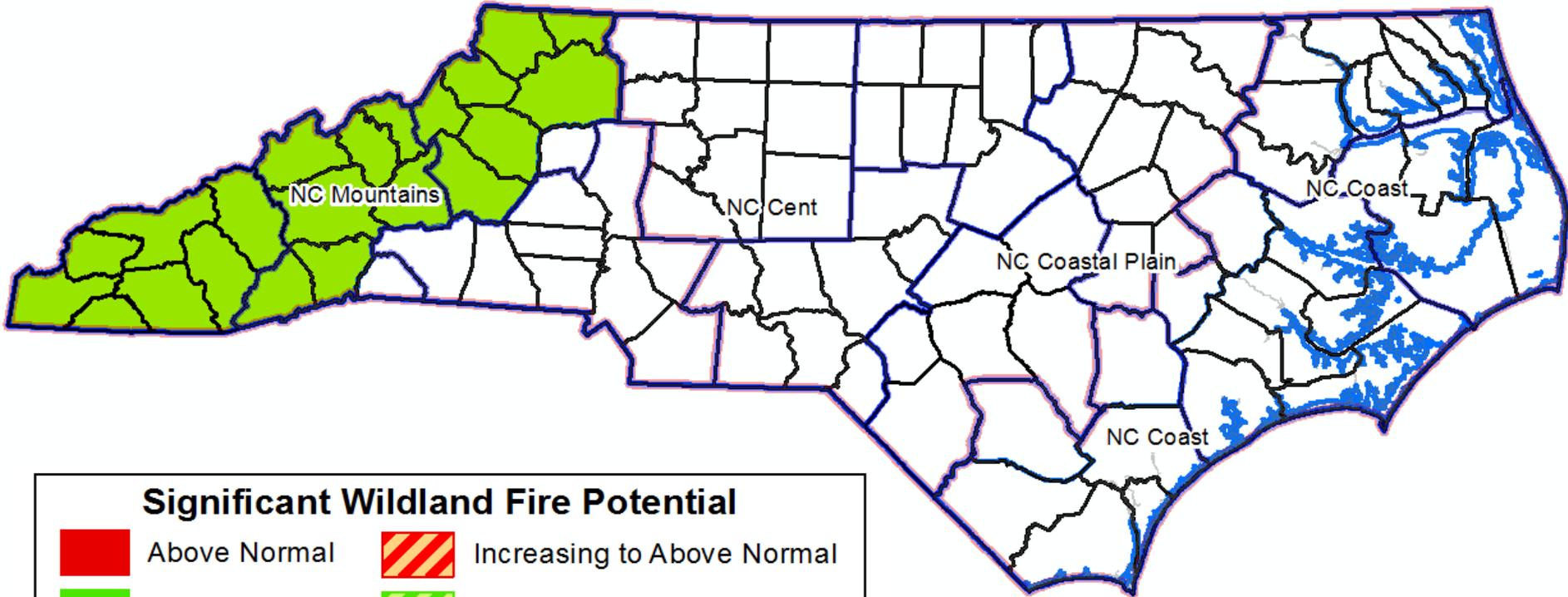
SIG - SouthCoast 2000 - 2018





SIGNIFICANT WILDLAND FIRE POTENTIAL OUTLOOK

APRIL AND JUNE 2017



For May and July, the entire state is predicted to be normal.



QUESTIONS



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