

Western Pineywoods PSA Critical Thresholds

August 3, 2007

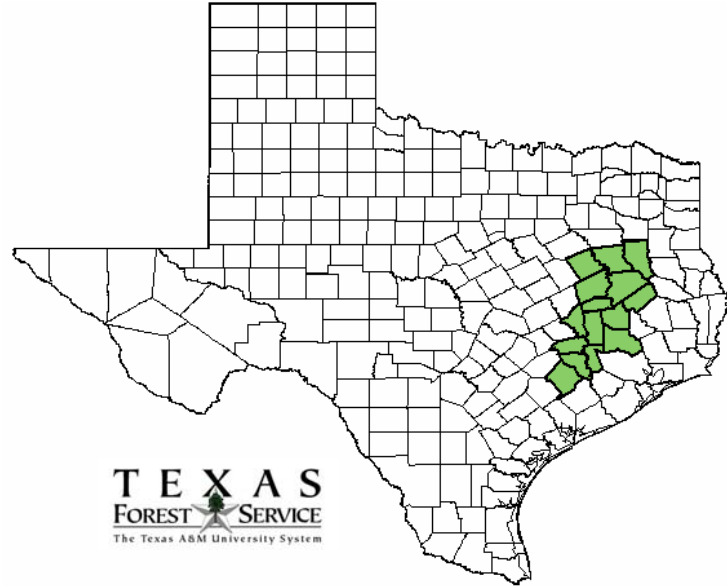
RAWS: Palestine, Ratcliff, Round Prairie, Huntsville, Conroe, Atwater

Data Years: 1996-2007

Fuel Types: Pine Plantation, Pine Hardwood Mixed Timber, Upland Post Oak Timber, Native and Improved Grassland, Mixed Grassland and Juniper

Critical Fire Weather Thresholds:

Relative Humidity 35% or Less
20' Windspeed 8 mph or More



Peak Fire Season:

Primary August and September with late summer drying
Secondary January through March with cured grasses

Dead Fuel Moisture Thresholds

	Percentiles				
	3	4-10	11-25	26-50	51-100
1000-hr	14	15	16	17	18
100-hr	12	13-14	15	16	17

1000-hr 3% range low 13% at Round Prairie; high 15% at Huntsville
100-hr 3% range low 11% at Palestine; high 13% at Atwater

NFDRS Thresholds (Fuel Model G)

	Percentiles				
	97	90-96	75-89	50-74	0-49
ERC	38	32-37	28-31	23-27	0-22
BI	42	34-41	26-33	18-25	0-17
KBDI	774	720-773	641-719	505-640	0-514

ERC 97% range high 49 at Round Prairie; low 38 at Huntsville
BI 97% range high 66 at Round Prairie; low 39 at Conroe

Live Fuel Moisture Thresholds

	Percentiles				
	3	4-10	11-25	26-50	51-100
Pine	121	122-130	131-140	141-153	156-300
Oak	70	71-75	76-85	86-100	101-300