

North Texas PSA Critical Thresholds

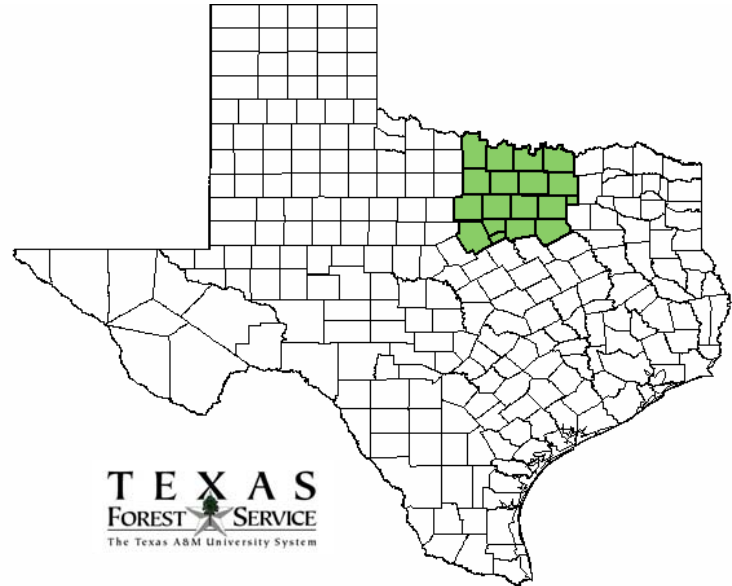
August 2, 2007

RAWS: Caddo, Possum Kingdom, LBJ, Greenville, Cedar Hill, Granbury

Data Years: 2000-2007

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

Critical Fire Weather Thresholds:
Relative Humidity 25% or Less
20' Windspeed 12mph or More



Peak Fire Seasons:

Primary December through April with cured grasses and wind events
Secondary August and September with late summer drying

Dead Fuel Moisture Thresholds

	Percentiles				
	3	4-10	11-25	26-50	51-100
1000-hr	9	10	11-12	13-14	15
100-hr	7	8-9	10	11-12	13

1000-hr 3% range
100-hr 3% range

Low 8% at Possum Kingdom; High 12% at Greenville
Low 6% at Possum Kingdom, LBJ; High 10% at Greenville

NFDRS Thresholds (Fuel Model G)

	Percentiles				
	97	90-96	75-89	50-74	0-49
ERC	65	56-64	47-55	37-46	0-36
BI	71	56-70	44-55	33-43	0-32
KBDI	742	691-741	620-690	516-621	0-515

ERC 97% range
BI 97% range

High 70 at Possum Kingdom, LBJ; Low 50 at Greenville
High 101 at Granbury; Low 63 at Caddo

Live Fuel Moisture

	Percentiles				
	3	4-10	11-25	26-50	51-100
Juniper	80	81-90	91-100	101-120	121-300
Oak	80	81-85	86-95	96-110	111-300