

Rio Grande Plains PSA Critical Thresholds

August 1, 2007

RAWS: Kickapoo Caverns S.P., Guadalupe River S.P., Pearsall, George West, Falcon Lake

Data Years: 2002-2007

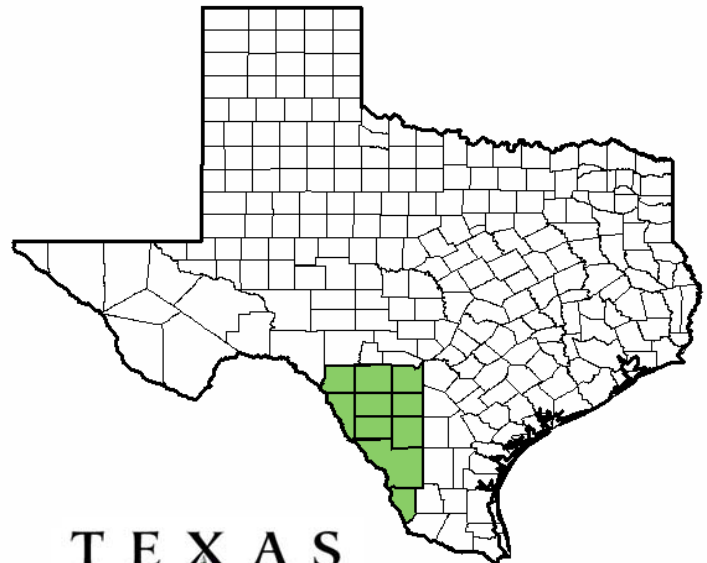
Fuel Types: Grass, Mesquite, Oak, and Juniper brush

Critical Fire Weather Thresholds:

Relative Humidity 30% or less
20' Windspeed 12 mph or More

Peak Fire Seasons:

Primary May through August with summer drying
Secondary December through March with cured grasses and wind events



Dead Fuel Moisture Thresholds

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

1000-hr 3% range low 10% Kickapoo Caverns S.P., Falcon Lake; high 13% at George West
100-hr 3% range low 8% at Kickapoo Caverns S.P.; high 11% at George West

NFDRS Thresholds (Fuel Model G)

	Percentiles				
	97	90-96	75-89	50-74	0-49
ERC	57	52-56	47-51	40-46	0-39
BI	60	49-59	39-48	28-38	0-27
KBDI	685	643-684	542-642	428-541	0-427

ERC 97% range high 56 at Kickapoo Caverns S.P., Pearsall, Falcon Lake; low 43 at George West
BI 97% range high 81 at Kickapoo Caverns S.P., low 63 at Guadalupe River S.P.

Live Fuel Moisture

	Percentiles				
	3	4-10	11-25	26-50	51-100
Mesquite	95	96-100	101-110	111-125	126-300
Oak	75	76-80	81-90	91-105	106-300
Juniper	70	71-80	81-90	91-110	111-300