2011 Horseshoe 2 Fire
Soil Burn Severity by Ecosystem

Chiricahua Ecosystem	Soil Burn Severity	Acres	% of Ecosystem Affected
Aspen/Mixed Conifer	High	191	11%
(includes spruce)	Moderate	578	33%
	Low	677	39%
	Unburned	310	18%
	TOTAL	1,755	
Rocky Mt Mixed Conifer	High	725	14%
(Douglas-fir/Ponderosa/SW white	Moderate	1,419	27%
and no/few Madrean oaks)	Low	1,990	37%
	Unburned	1,202	23%
	TOTAL	5,336	
Upper Madrean Pine-Oak	High	1,634	11%
>50% conifer, mostly	Moderate	3,863	26%
Douglas-fir/Ponderosa/AZ pine)	Low	5,409	37%
	Unburned	3,688	25%
	TOTAL	14,595	
Lower Madrean Pine-Oak	High	14,403	26%
(Apache/Chihuahuan pine	Moderate	20,030	36%
along with >50% oak)	Low	14,420	26%
	Unburned	7,126	13%
	TOTAL	55,980	
Pinyon/Manzanita on Rocks	High	1,599	12%
(more than 50% bare/rocky,	Moderate	4,800	35%
vast elevational range includes	Low	4,228	31%
Douglas-fir, toumey oak, sotol)	Unburned	2,907	21%
	TOTAL	13,533	
PJ/Oak	High	8,033	8%
(includes encinal and	Moderate	31,650	30%
juniper savanna)	Low	44,772	43%
	Unburned	19,702	19%
	TOTAL	104,157	
Rocky Mt. Riparian	High	25	2%
(includes cypress and maple)	Moderate	199	18%
	Low	434	40%
	Unburned	432	40%
	TOTAL	1,090	

Soil Burn Severity by Ecosystem

Desert Riparian	Low	25	35%
(includes ash, cottonwood)	Unburned	47	65%
	TOTAL	72	
Mesquite/Prickly Pear Scrub	High	0	0%
(more than 15% cover of shrubs)	Moderate	119	3%
	Low	2,202	57%
	Unburned	1,547	40%
	TOTAL	3,869	
Grassland	Moderate	175	7%
	Low	1,801	76%
	Unburned	557	24%
	TOTAL	2,359	
Creosote	Moderate	8	3%
	Low	55	20%
	Unburned	224	80%
	TOTAL	279	
Limestone Pinyon/Mt Mahogany	High	1,116	15%
(mapped only on Paleozoic	Moderate	2,677	37%
limestones, and includes rosette	Low	2,343	32%
grassland with Agave, Yucca,	Unburned	1,114	15%
and Sotol)	TOTAL	7,250	

Top photo: Southern Rocky Mt Mixed Conifer ecosystem near Rustler Park, at 8200 feet, June 11, 2010. The 1994 Rattlesnake fire (27,500 acres) left many snags and logs, as well as a large cohort of 2m tall ponderosa pine.

Bottom Photo: Same location, except in June of 2012, post-Horseshoe 2 (2011). All ponderosa less than 5m tall were killed. Surface fuels greater than 3 inches in diameter were greatly reduced, while forbs such as *Bromus* and *Verbascum* (wooly mullein) greatly increased.

This fact sheet and corresponding maps are available online at swfireconsortium.org