

Cherokee NF Ecological Forecasts -- 20 Years

Revised Models - June 9, 2011

Ecological System	Acres (rounded to nearest 100)	Ecological Departure (using revised models)					New ROI Mgmt or Workshop Mgmt	ROI (includes new ROI or wkshp)	New Mgmt - Ave. Annual Cost
		No Mgmt w Fire Suppression	Maximum Ecological Mgmt	Fire Only Mgmt	Mechanical Only Mgmt	Previous ROI Mgmt			
Cove Forest	103,000	34	31	-	31	30	-	1.7	\$ 12,000
Dry Oak Forest	65,900	60	29	38	36	40	39	1.2	\$ 96,500
Dry-Mesic Oak Forest	40,800	49	28	31	31	37	37	3.2	\$ 22,000
Low-Elevation Pine Forest	23,800	77	28	44	33	50	37	3.6	\$ 75,750
Montane Pine Forest	21,800	80	30	35	25	43	36	5.0	\$ 53,750
Montane Red-Chestnut Oak Forest	71,800	39	25	29	25	25	25	1.4	\$ 60,450
Northern Hardwood Forest	11,600	14	-	-	-	-	-	n/a	
Riparian & Floodplain Systems	2,500	39	38	-	-	-	-	n/a	\$ -
Spruce-Fir Forest	2,200	40	24	-	-	28	-	25.6	\$ 4,500

Total Cost - 20 Years

\$ 27,968,000 \$ 7,450,000 \$ 24,903,000 \$ 5,123,000 \$ 6,499,000

Average Annual Cost

\$ 1,398,000 \$ 373,000 \$ 1,245,000 \$ 256,000 \$ 325,000 \$ 325,000

Average Annual Acres Prescribed Fire

6,200 9,900 - 4,200 4,900

Ave. Annual Acres Commerical Harvest

3,200 - 4,800 800 1,500