

APPENDIX B

Manti-La Sal National Forest Properly Functioning Condition Summary

Table B-1 summarizes the changes in vegetation at the broad scale. It shows what vegetation types are encroaching into other types and the relative degree of change. This table can be used to determine which vegetation types should receive the highest priority for treatment. For example, pinyon-juniper shows the highest magnitude of change due to its encroachment into sagebrush, mountain shrub, oakbrush, mountain mahogany, and riparian communities.

Table B-1: Relative Changes in Landscape Patterns within the Manti-La Sal National Forest by Subject Area*.

SUBJECT AREA	NET CHANGE IN PATTERN Gained, Lost, Static	HISTORICAL RANGE (~150-400 years before present)		MAGNITUDE Low Moderate High No change
		Subject area(s) gained from or lost to:		
		Gained from	Lost to	
Alpine	Static			No Change
Grasslands	Static	Sagebrush, pinyon-juniper	Sagebrush, pinyon-juniper	Low
Engelmann Spruce - Subalpine fir	Gained	Aspen		Moderate
Quaking aspen (stable)	Static			No change
Quaking aspen (seral)	Lost		Spruce-fir, ponderosa pine, mixed conifer	High
Mixed conifer	Gained	Aspen, sagebrush, Gambel oak, mountain shrub		Low
Ponderosa pine	Static	Aspen, sagebrush	Mountain shrub, sagebrush, gambel oak	Low
Pinyon-juniper	Gained	Sagebrush, mountain shrub, oak, mountain Mahogany, riparian, grasslands		High
Mountain mahogany	Static	Sagebrush	Pinyon-juniper	No net change
Gambel oak	Static	Mountain shrub	Pinyon-juniper, white fir, Douglas-fir, ponderosa pine	No net change

Preliminary Analysis of the Management Situation

SUBJECT AREA	NET CHANGE IN PATTERN Gained, Lost, Static	HISTORICAL RANGE (~150-400 years before present)		MAGNITUDE Low Moderate High No change
		Subject area(s) gained from or lost to:		
		Gained from	Lost to	
Tall forb	Lost		Grass, soil erosion, undesirable species	High
Mountain shrub complex	~Static		Pinyon-juniper, sagebrush	No change
Sagebrush (Big sagebrush, other species static)	Lost	Riparian	Pinyon-juniper, mixed conifer, ponderosa pine	Moderate to High
Riparian	Lost		Spruce-fir, ponderosa pine, mixed conifer, sagebrush, pinyon- juniper, erosion and downcutting	High

* Some subject areas (e.g. pinyon-juniper, sagebrush, etc.) have also increased in density. For some subject areas losses ~balanced by gains (e.g. mountain mahogany, Gambel oak, etc.).