

APPENDIX S

ECOSYSTEM REPRESENTATION

TABLE S-1
TOTAL ACRES BY ECOSYSTEM

Area	Douglas Fir Forest	Western Spruce Fir Forest	Alpine Meadows and Barren	Foothills Prairie	Sagebrush Steppe	Gramma-Needlegrass-Wheatgrass	Northern Floodplain Forest
Blind Horse Creek	2,589	789	407	1,142	—	—	—
Chute Mountain	1,397	598	794	476	—	—	—
Deep Creek/ Battle Cr.	1,568	—	598	920	—	—	—
Black Sage (MT-075-115)	336	—	—	—	542	5,048	—
Yellowstone River (MT-075-133)	—	—	—	—	—	—	53

The following is a brief description of each ecosystem represented in the areas under study. These ecosystems are from the Bailey-Kuchler Ecosystem Classification System (Kuchler 1964 and USDA, Forest Service 1976).

DOUGLAS FIR FOREST (*Pseudotsuga*)

Physiognomy: Medium dense forest of medium tall needleleaf evergreen trees

Dominants: Douglas fir (*Pseudotsuga menziesii*)

Other Components: *Abies concolor*, *Larix occidentalis*, *Physocarpus malvaceus*, *Picea pungens*, *P. glauca* (northern part), *Pinus contorta*, *P. ponderosa* (lower elevations), *Populus tremuloides*

Occurrence: Northern Rocky Mountains and Washington

WESTERN SPRUCE-FIR FOREST

(*Picea-Abies*)

Physiognomy: Dense to open forests of low to medium tall needleleaf evergreen trees; open forests with a synusia of shrubs and herbaceous plants

Dominants: Subalpine fir (*Abies lasiocarpa*); Englemann spruce (*Picea engelmannii*)

Other Components: *Arctostaphylos uva ursi*, *Arnica cordifolia*, *Calamagrostis canadensis*, *Carex* spp., *Larix lyallii*, *Menziesia ferruginea*, *Pinus albicaulis* (northern part), *P. contorta*, *Populus tremuloides*, *Pseudotsuga menziesii* (lower elevations), *Shepherdia canadensis*, *Symphoricarpos albus*, *Tsuga mertensiana* (western part), *Vaccinium* spp., *Xerophyllum tenax*

Occurrence: High altitudes of northern Rocky Mountains and Washington

ALPINE MEADOWS AND BARREN

(*Agrostis*, *Carex*, *Festuca*, *Poa*)

Physiognomy: Usually short grasses and sedges, dense to very open with extensive barren areas; many forbs

Dominants: Bentgrass (*Agrostis* spp.); Sedges (*Carex* spp.); Hairgrass (*Deschampsia caespitosa*); Fescue (*Festuca viridula*); Woodrush (*Luzula spicata*); Mountain timothy (*Phleum alpinum*); Bluegrass (*Poa* spp.); Spike trisetum (*Trisetum spicatum*)