

Appendix 1:

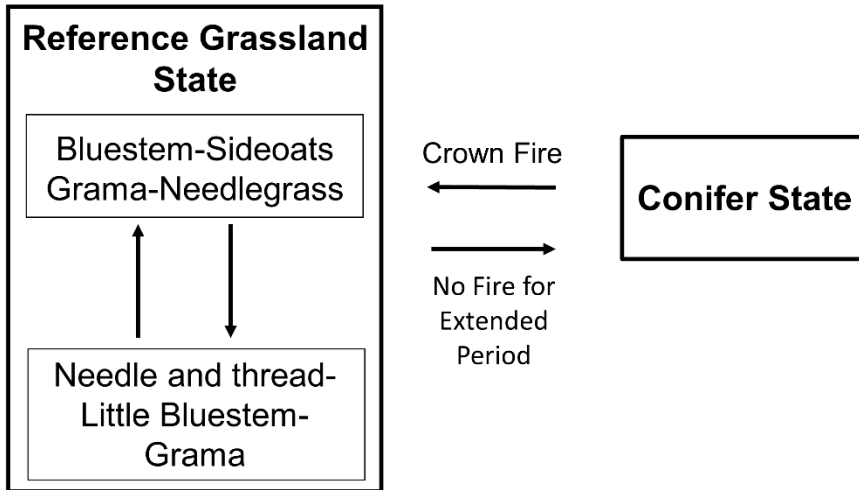


Figure A1.1. A simplified state-and-transition model (STM) from the USDA Ecological Site Descriptions for the ‘Shallow’ ecological site in the Mixed Sandy and Silty Tableland and Badlands Major Labe Resource Area before its alteration in 2019. The STM has been simplified to only highlight the role of fire. Bold outlined boxes denote alternative ecological regimes (also termed states). Arrows represent a transition between ecosystem states (bold boxes) or community phases (light boxes). Words next to arrows represent where fire is a proposed driver of transition.

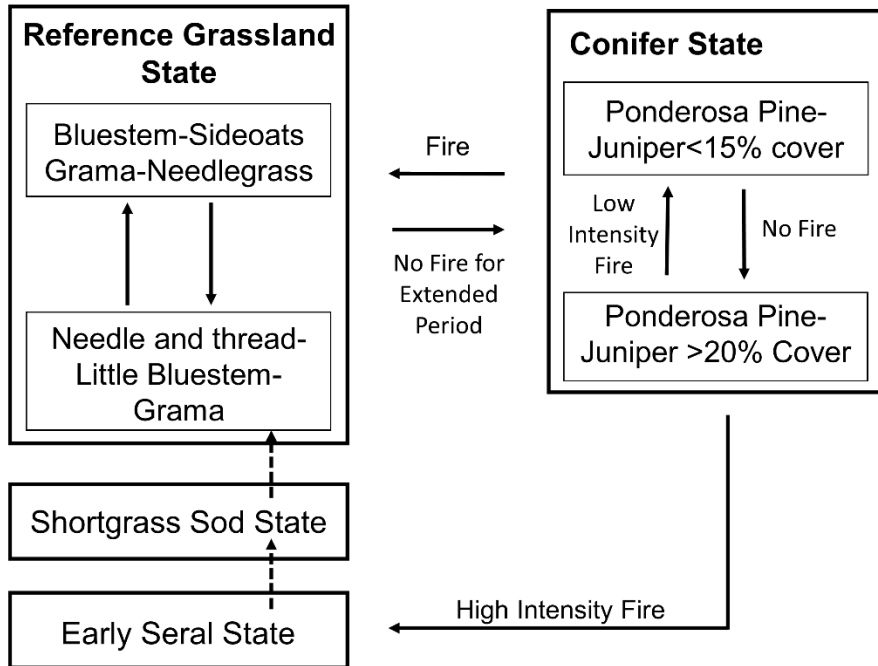


Figure A1.2. A simplified state-and-transition model (STM) from the USDA Ecological Site Descriptions for the ‘Shallow’ ecological site in the Mixed Sandy and Silty Tableland and Badlands Major Labe Resource Area following its update in 2019. The STM has been simplified to only highlight the role of fire. Bold outlined boxes denote alternative ecological regimes (also termed states). Continuous arrows represent a transition between ecosystem states (bold boxes) or community phases (light boxes). Dotted arrows represent where recovery may not be fast. Words next to arrows represent where fire is a proposed driver of transition.

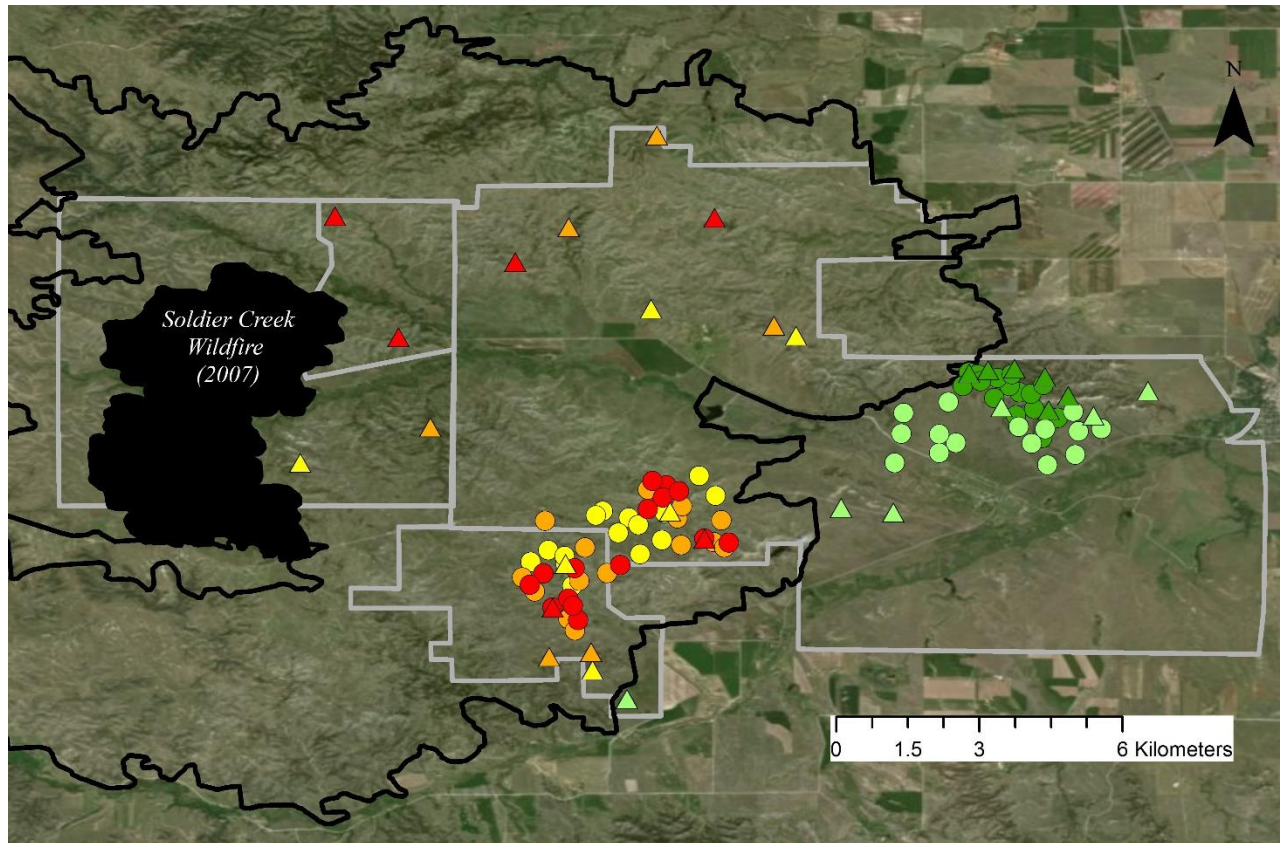


Figure A1.3. A map of the 1989 Fort Robinson wildfire perimeter (outlined in black) with sampling sites for bird community, understory woody plant community, and stand structural characteristics represented by circles, and herbaceous community sample sites represented by triangles. Dark green symbols represent unburned forest sites, orange symbols represent forests that burned at low severity and are expected to have the same identity as unburned forest, red symbols represent forests that burned at high severity and are expected to have the same identity as unburned grassland, yellow symbols represent grasslands that burned and are expected to have the same identity as unburned grasslands, and light green symbols represent unburned grasslands. Public land perimeters we sampled in are outlined in grey. The soldier creek wildfire perimeter, marked in black, was excluded from sampling.

Tables

Table A1.1. Eigenvalues and the proportion of explained variation that was represented by RDA1 and RDA2 in two redundancy analyses on community and structural data collected in 2015 and 2016 within and surrounding the perimeter of the 1989 Fort Robinson wildfire, Nebraska, USA across a range of transition classes. Transition classes were used as predictor variables and were composed of fire severity (unburned, low severity, or high severity) and the ecological regime (grassland or forest) that occurred prior to the fire. Italicized titles represent the data used in redundancy analyses, where “Herbaceous Community” indicates RDA outputs with herbaceous plant community data and “Additional Ecosystem Characteristics” indicates RDA outputs with understory woody plant height and cover, bird species presence, coarse woody debris cover, and snag DBH.

	Eigenvalue	Proportion Explained
<i>Herbaceous Community</i>		
RDA1	0.03	0.63
RDA2	0.01	0.23
<i>Additional Ecosystem Characteristics</i>		
RDA1	0.13	0.57
RDA2	0.05	0.21

Table A1.2. Inertia and the proportion of inertia that was constrained versus unconstrained in two redundancy analyses on community and structural data collected in 2015 and 2016 within and surrounding the perimeter of the 1989 Fort Robinson wildfire, Nebraska, USA across a range of transition classes. Transition classes were used as predictor variables and were composed of fire severity (unburned, low severity, or high severity) and the ecological regime (grassland or forest) that occurred prior to the fire. Italicized titles represent the data used in redundancy analyses, where “Herbaceous Community” indicates RDA outputs with herbaceous plant community data and “Additional Ecosystem Characteristics” indicates RDA outputs with understory woody plant height and cover, bird species presence, coarse woody debris cover, and snag DBH.

	Inertia	Proportion of Inertia
<i>Herbaceous Community</i>		
Constrained	0.05	0.24
Unconstrained	0.17	0.76
<i>Additional Ecosystem Characteristics</i>		
Constrained	0.23	0.23
Unconstrained	0.76	0.76

Table A1.3. A list of species codes, species names, and common names of herbaceous vegetation that was recorded within and surrounding the perimeter of the 1989 Fort Robinson wildfire, Nebraska, USA.

Species Code	Species	Common Name
ACMI	<i>Achillea millefolium</i>	Common yarrow
ALTE	<i>Allium textile</i>	Prairie Onion
ALDE	<i>Alyssum desertorum</i>	Desert madwort
AMPS	<i>Ambrosia psilostachya</i>	Cuman ragweed
ANMA	<i>Anaphalis margaritacea</i>	Western pearly everlasting
ANGE	<i>Andropogon gerardii</i>	Big bluestem
ANHA	<i>Andropogon hallii</i>	Sand bluestem
ANCY	<i>Anemone cylindrica</i>	Candle anemone
ANPA	<i>Antennaria parvifolia</i>	Small-leaf pussytoes
ARHI	<i>Arabis hirsuta</i>	Hairy rockcress
ARPU	<i>Aristida purpurea</i>	Purple threeawn
ARDR	<i>Artemisia dracunculoides</i>	Tarragon
ARFI	<i>Artemisia filifolia</i>	Sand sagebrush
ARFR	<i>Artemisia frigida</i>	Prairie Sagewort
ARLU	<i>Artemisia ludoviciana</i>	White sagebrush
ASPU	<i>Asclepias pumila</i>	Plains milkweed
ASFA	<i>Aster falcatus</i>	White prairie aster
ASLA	<i>Aster laevis</i>	Smooth blue aster
ASOB	<i>Aster oblongifolia</i>	Aromatic aster
ASCR	<i>Astragalus crassicaarpus</i>	Groundplum Milkvetch
ASGR	<i>Astragalus gracilis</i>	Slender milkvetch

ASLA	<i>Astragalus laxmannii</i>	Laxmann's milkvetch
ASLO	<i>Astragalus lotiflorus</i>	Lotus milkweed
ASMI	<i>Astragalus missouriensis</i>	Missouri milkvetch
BG	<i>Bare ground</i>	Bare Ground
MARE	<i>Berberis repens</i>	Creeping barberry
BEWY	<i>Besseya wyomingensis</i>	Wyoming besseya
BOHO	<i>Boechea hoboellii</i>	Holbøll's rockcress
BOCU	<i>Bouteloua curtipendula</i>	Sideoats grama
BOGR	<i>Bouteloua gracilis</i>	Blue grama
BOHI	<i>Bouteloua hirsuta</i>	Hairy grama
BREU	<i>Brickellia eupatorioides</i>	False boneset
BRIN	<i>Bromus inermis</i>	Smooth brome
BRTE	<i>Bromus japonicus/tectorum</i>	Cheatgrass
CALO	<i>Calamovilfa longifolia</i>	Prairie Sandreed
CANU	<i>Calochortus nuttallii</i>	Sego lily
CASE	<i>Calylophus serrulatus</i>	Yellow sundrops
CAMI	<i>Camelina microcarpa</i>	Littlepod false flax
CARO	<i>Campanula rotundifolia</i>	Bluebell bellflower
CADU	<i>Carex eleocharis</i>	Needlelead sedge
CAFI	<i>Carex filifolia</i>	Threadleaf sedge
CAIN	<i>Carex heliophila</i>	Sun sedge
CASA	<i>Carex saximontana</i>	Rocky Mountain sedge
CEAR	<i>Cerastium arvense</i>	Field chickweed
CHPR	<i>Chenopodium pratericola</i>	Desert goosefoot
CIAR	<i>Cirsium arvense</i>	Canada thistle

CIPL	<i>Cirsium plattensis</i>	Platte thistle
CIUN	<i>Cirsium undulatum</i>	Wavyleaf thistle
COUM	<i>Comandra umbellata</i>	Bastard toadflax
COCA	<i>Conyza canadensis</i>	Canadian horseweed
CRTE	<i>Croton texensis</i>	Texas Croton
CYOF	<i>Cynoglossum officinale</i>	Gypsyflower
CYFR	<i>Cystopteris fragilis</i>	Brittle bladderfern
DACA	<i>Dalea candida</i>	White prairie clover
DAPU	<i>Dalea purpurea</i>	Purple prairie clover
DEPI	<i>Descurainia pinnata</i>	Western tansymustard
DRRE	<i>Draba reptans</i>	Carolina draba
ECPU	<i>Echinacea purpurea</i>	Eastern purple coneflower
ELCA	<i>Elymus canadensis</i>	Canada wildrye
ELLA	<i>Elymus lanceolatus</i>	Thickspike wheatgrass
ELSM	<i>Elymus smithii</i>	Western wheatgrass
ELTR	<i>Elymus trachycaulus</i>	Slender wheatgrass
ELVI	<i>Elymus villosus</i>	Hairy wildrye
ERHO	<i>Eremogone hookeri</i>	Hooker's sandwort
ERST	<i>Erigeron strigosus</i>	Prairie fleabane
ERAN	<i>Eriogonum annuum</i>	Annual buckwheat
ERCE	<i>Eriogonum cernuum</i>	Nodding buckwheat
ERAS	<i>Erysimum asperum</i>	Western wallflower
ERCH	<i>Erysimum cheiranthoides</i>	Wormseed wallflower
EUGL	<i>Euphorbia glyptosperma</i>	Ribseed sandmat
EUMI	<i>Euphorbia missurica</i>	Prairie sandmat

EUBR	<i>Euphorbia robusta</i>	Horned spurge
GAAP	<i>Galium aparine</i>	Stickywilly
GABO	<i>Galium boreale</i>	Northern bedstraw
GATR	<i>Galium triflorum</i>	Fragrant bedstraw
OESU	<i>Gaura coccinea</i>	Scarlet beeblossom
GLLE	<i>Glycyrrhiza lepidota</i>	American licorice
GNPA	<i>Gnaphalium palustre</i>	Western marsh cudweed
GUSA	<i>Gutierrezia sarothrae</i>	Broom snakeweed
HEHI	<i>Hedeoma hispida</i>	Rough false pennyroyal
HEPE	<i>Helianthus petiolaris</i>	Prairie sunflower
HECO	<i>Hesperostipa comata</i>	Needle and threat
HEVI4	<i>Heterotheca villosa</i>	Hairy goldenaster
HERI	<i>Heuchera richardsonii</i>	Richardson's alumroot
HIUM	<i>Hieracium umbellatum</i>	Narrowleaf hawkweed
IPLE	<i>Ipomoea leptophylla</i>	Bush morning-glory
KOMA	<i>Koeleria macrantha</i>	Prairie junegrass
LALU	<i>Lactuca ludoviciana</i>	Biannual lettuce
LASE	<i>Lactuca serriola</i>	Prickly lettuce
LATA	<i>Lactuca tatarica</i>	Blue lettuce
LAPO	<i>Lathyrus polymorphus</i>	Manystem pea
LEAR	<i>Lesquerella arenosa</i>	Great Plains bladderpod
LELU	<i>Lesquerella ludoviciana</i>	Foothill bladderpod
LIPU	<i>Liatris punctata</i>	Dotted blazing star
LIRI	<i>Linum rigidum</i>	Stiffstem flax
LIIN	<i>Lithospermum incisum</i>	Narrowleaf stoneseed

LITTER	<i>Litter</i>	Litter
LOOR	<i>Lomatium orientale</i>	Northern Idaho biscuitroot
LUPL	<i>Lupinus plattensis</i>	Nebraska lupine
LYJU	<i>Lygodesmia juncea</i>	Rush Skeletonplant
MATA	<i>Machaeranthera tanacetifolia</i>	Tanseyleaf tansyaster
MAST	<i>Maianthemum stellatum</i>	Starry false lily of the valley
MEOF	<i>Melilotus officinalis</i>	Sweetclover
MIHI	<i>Mirabilis hirsuta</i>	Hairy four o'clock
MILI3	<i>Mirabilis linearis</i>	Narrowleaf four o'clock
MOPE	<i>Monarda pectinata</i>	Pony beebalm
NAVI	<i>Nassella viridula</i>	Green needlegrass
OPFR	<i>Opuntia fragilis</i>	Brittle pricklypear
OPHU	<i>Opuntia humifusa</i>	Devil's-tongue
OXLA	<i>Oxytropis lambertii</i>	Purple locoweed
PACA	<i>Panicum capillare</i>	Witchgrass
PAOL	<i>Panicum oligosanthos</i>	Scribner's panic grass
DIWI	<i>Panicum wilcoxianum</i>	Fall rosette grass
PEAR	<i>Pediomelum argophyllum</i>	Silverleaf Indian breadroot
PEES	<i>Pediomelum esculentum</i>	Large Indian beadroot
PEAL	<i>Penstemon albidus</i>	White penstemon
PEAN	<i>Penstemon angustifolius</i>	Broadbeard beardtongue
PEGR	<i>Penstemon gracilis</i>	Lilac penstemon
PEGRA	<i>Penstemon grandiflorus</i>	Large beardtongue
PHAN	<i>Phlox andicola</i>	Prairie phlox
PHHO	<i>Phlox hoodii</i>	Spiny phlox

PHHI	<i>Physalis hispida</i>	Prairie groundcherry
PHLO	<i>Physalis longifolia</i>	Longleaf groundcherry
PIPO	<i>Pinus ponderosa</i>	Ponderosa pine
PIMI	<i>Piptatherum micranthum</i>	Littleseed ricegrass
PLPA	<i>Plantago patagonica</i>	Woolly plantain
POFE	<i>Poa fendleri</i>	Muttongrass
POPR	<i>Poa pratensis</i>	Kentucky bluegrass
POPE	<i>Potentilla pensylvanica</i>	Pennsylvania cinquefoil
PRVI	<i>Prunus virginiana</i>	Chokecherry
PSLA	<i>Psoraleidum lanceolatum</i>	Lemon scurfpea
PSTE	<i>Psoraleidum tenuiflorum</i>	Slimflower scurfpea
PUPA	<i>Pulsatilla patens</i>	Eastern pasqueflower
RACO	<i>Ratibida columnifera</i>	Upright prairie coneflower
RHTR	<i>Rhus trilobata</i>	Skunkbush sumac
RIBES	<i>Ribes sp.</i>	Currant
ROCK	<i>Rock</i>	Rock
ROAR	<i>Rosa arkansana</i>	Prairie rose
ROWO	<i>Rosa woodsii</i>	Woods' rose
SCSC	<i>Schizachyrium scoparium</i>	Little bluestem
SEIN	<i>Senecio integerrimus</i>	Lambstongue ragwort
SEPL	<i>Senecio plattensis</i>	Praire groundsel
SIMO	<i>Sisyrinchium montanum</i>	Strict blue-eyed grass
SOCA	<i>Solidago canadensis</i>	Canadian goldenrod
SOMI	<i>Solidago missouriensis</i>	Missouri goldenrod
SOMO	<i>Solidago mollis</i>	Velvety goldenrod

SORI	<i>Solidago rigida</i>	Stiff goldenrod
SPCO	<i>Sphaeralcea coccinea</i>	Scarlet globemallow
SPCOM	<i>Sporobolus compositus</i>	Composite dropseed
SPCR	<i>Sporobolus cryptandrus</i>	Sand dropseed
SYOC	<i>Symphoricarpos occidentalis</i>	Western snowberry
TAOF	<i>Taraxacum officinale</i>	Common dandelion
THRH	<i>Thermopsis rhombifolia</i>	Prairie thermopsis
TORY	<i>Toxicodendron rydbergii</i>	Western poison ivy
TROC	<i>Tradescantia occidentalis</i>	Prairie spiderword
TRDU	<i>Tragopogon dubius</i>	Yellow salsify
VETH	<i>Verbascum thapsus</i>	Common mullein
VEST	<i>Verbena stricta</i>	Hoary verbena
VINU	<i>Viola nuttallii</i>	Nuttall's violet
VIRI	<i>Vitis riparia</i>	Riverbank grape
VUOC	<i>Vulpia octoflora</i>	Sixweeks fescue
XASP	<i>Xanthisma spinulosum</i>	Sping goldenbush
YUGL	<i>Yucca glauca</i>	Soapweed yucca
ZIVE	<i>Zigadenus venenosus</i>	Meadow deathcamas

Table A1.4. A list of species codes, species name, and common names used in the ‘Additional Ecosystem Characteristics’ ordination that were found in 2016 within and surrounding the perimeter of the 1989 Fort Robinson wildfire, Nebraska, USA.

Species Codes	Species	Common Name
CWD	Coarse Woody Debris	Coarse Woody Debris
Snag_DBH	Snag Diameter at Breast Height	Snag Diameter at Breast Height
Snag_Density	Snag Density	Snag Density
AMGO	<i>Spinus tristis</i>	American Goldfinch
AMRO	<i>Turdus migratorius</i>	American Robin
AUWA	<i>Setophaga coronata auduboni</i>	Audubon's Warbler
BCCH	<i>Poecile atricapillus</i>	Black-capped Chickadee
BGGN	<i>Poliophtila caerulea</i>	Blue-gray Gnatcatcher
BHCO	<i>Molothrus ater</i>	Brown-headed Cowbird
BHGR	<i>Pheucticus melanocephalus</i>	Back-headed Grosbeak
BRBL	<i>Euphagus cyanocephalus</i>	Brewer's Blackbird
BRTH	<i>Toxostoma rufum</i>	Brown Thrasher
BUOR	<i>Icterus bullockii</i>	Bullock's Oriole
CAKI	<i>Tyrannus vociferans</i>	Cassin's Kingbird
CERW	<i>Setophaga cerulea</i>	Cerulean Warbler
CHSP	<i>Spizella passerina</i>	Chipping Sparrow
CONI	<i>Chordeiles minor</i>	Common Nighthawk
EABL	<i>Sialia sialis</i>	Eastern Bluebird
EAKI	<i>Euphagus cyanocephalus</i>	Eastern Kingbird
GRSP	<i>Ammodramus savannarum</i>	Grasshopper Sparrow

HAWO	<i>Dryobates villosus</i>	Hairy Woodpecker
HOWR	<i>Troglodytes aedon</i>	House Wren
MAKE	<i>Falco sparverius</i>	American Kestrel
LASP	<i>Chondestes grammacus</i>	Lark Sparrow
MOBL	<i>Sialia currucoides</i>	Mountain Bluebird
MODO	<i>Zenaida macroura</i>	Mourning Dove
OVEN	<i>Seiurus aurocapilla</i>	Ovenbird
PIJA	<i>Gymnorhinus cyanocephalus</i>	Pinyon Jay
PLVI	<i>Vireo plumbeus</i>	Plumbeous Vireo
PRFA	<i>Falco mexicanus</i>	Prairie Falcon
PYNU	<i>Sitta pygmaea</i>	Pygmy Nuthatch
RBNU	<i>Sitta canadensis</i>	Red-breasted Nuthatch
RHOW	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker
ROWR	<i>Salpinctes obsoletus</i>	Rock Wren
RSTO	<i>Pipilo maculatus</i>	Rufous-sided Towhee
BANS	<i>Riparia riparia</i>	Bank Swallow
TUVU	<i>Cathartes aura</i>	Turkey Vulture
WEKI	<i>Tyrannus verticalis</i>	Western Kingbird
WEME	<i>Sturnella neglecta</i>	Western Meadowlark
WEWP	<i>Contopus sordidulus</i>	Western Wood-pewee
YSFL	<i>Colaptes auratus auratus</i>	Yellow-shafted Flicker
ACNE_C	<i>Acer negundo</i> (Cover)	Box elder
ACNE_H	<i>Acer negundo</i> (Height)	Box elder
ARFI_C	<i>Artemisia filifolia</i> (Cover)	Sand sagebrush
ARFI_H	<i>Artemisia filifolia</i> (Height)	Sand sagebrush

GUSA_C	<i>Gutierrezia sarothrae</i> (Cover)	Broom snakeweed
GUSA_H	<i>Gutierrezia sarothrae</i> (Height)	Broom snakeweed
JUNI_C	<i>Juniperus sp.</i> (Cover)	Juniper
JUNI_H	<i>Juniperus sp.</i> (Height)	Juniper
MARE_C	<i>Mahonia repens</i> (Cover)	Creeping barberry
MARE_H	<i>Mahonia repens</i> (Height)	Creeping barberry
PP_C	<i>Pinus ponderosa</i> (Cover)	Ponderosa pine
PP_H	<i>Pinus ponderosa</i> (Height)	Ponderosa pine
PRAM_C	<i>Prunus americana</i> (Cover)	American plum
PRAM_H	<i>Prunus americana</i> (Height)	American plum
PRVI_C	<i>Prunus virginiana</i> (Cover)	Chokecherry
PRVI_H	<i>Prunus virginiana</i> (Height)	Chokecherry
RHTR_C	<i>Rhus trilobata</i> (Cover)	Skunkbush
RHTR_H	<i>Rhus trilobata</i> (Height)	Skunkbush
RIAM_C	<i>Ribes americanum</i> (Cover)	American black currant
RIAM_H	<i>Ribes americanum</i> (Height)	American black currant
RIAU_C	<i>Ribes aureum</i> (Cover)	Golden current
RIAU_H	<i>Ribes aureum</i> (Height)	Golden current
RIOD_C	<i>Ribes odoratum</i> (Cover)	Clove current
RIOD_H	<i>Ribes odoratum</i> (Height)	Clove current
RIOX_C	<i>Ribes oxycanthoides</i> (Cover)	Canadian gooseberry
RIOX_H	<i>Ribes oxycanthoides</i> (Height)	Canadian gooseberry
ROWO_C	<i>Rosa woodsii</i> (Cover)	Woods rose
ROWO_H	<i>Rosa woodsii</i> (Height)	Woods rose
SYOC_C	<i>Symphoricarpos occidentalis</i> (Cover)	Western snowberry

SYOC_H	<i>Symphoricarpos occidentalis</i> (Height)	Western snowberry
TORA_C	<i>Toxicodendron radicans</i> (Cover)	Eastern poison ivy
TORA_H	<i>Toxicodendron radicans</i> (Height)	Eastern poison ivy
ULAM_C	<i>Ulmus americana</i> (Cover)	American elm
ULAM_H	<i>Ulmus americana</i> (Height)	American elm

Table A1.5. A list of herbaceous species that were unique to each transition class, along with the number of sampling site and number of quadrats that each species was recorded in.

Abbrev.	Species	Number of Sites	Number of Quadrats
Unburned Forest			
	<i>Berberis Repens</i>	1	1
	<i>Carex saximontana</i>	1	2
	<i>Cynoglossum officinale</i>	1	2
	<i>Cystopteris fragilis</i>	5	22
	<i>Descurainia pinnata</i>	1	1
	<i>Elymus canadensis</i>	1	10
	<i>Galium triflorum</i>	1	3
	<i>Viola nuttallii</i>	1	1
	<i>Hieracium umbellatum</i>	1	1
	<i>Senecio plattensis</i>	1	1
Forest → Forest			
	<i>Cirsium arvense</i>	1	3
	<i>Galium aparine</i>	1	1
	<i>Galium boreale</i>	1	2
	<i>Phlox andicola</i>	1	3
	<i>Solidago mollis</i>	1	2
	<i>Anaphalis margaritacea</i>	1	2
	<i>Glycyrrhiza lepidota</i>	1	2
	<i>Vitus riparia</i>	1	1
Forest → Grassland			
	<i>Anemone cylindrica</i>	1	1
	<i>Camelina microcarpa</i>	1	2

<i>Euphorbia missurica</i>	2	3
<i>Melilotus officinalis</i>	1	1
<i>Sisyrinchium montanum</i>	1	2
<i>Verbena stricta</i>	2	4
<i>Bouteloua hirsuta</i>	2	3
<i>Brickellia eupatorioides</i>	2	4
<i>Draba reptans</i>	2	2
<i>Lesquerella arenosa</i>	1	3
<i>Oxytropis lambertii</i>	1	1
<i>Solidago canadensis</i>	1	4
<i>Aster oblongifolia</i>	1	6
<i>Eriogonum cernuum</i>	1	1
<i>Calochortus nuttallii</i>	1	2
<i>Euphorbia robusta</i>	1	1
<i>Machaeranthera tanacetifolia</i>	1	3
<i>Sporobolus compositus</i>	1	1
<hr/>		
Unburned Grassland		
<hr/>		
<i>Linum Rigidum</i>	1	1
<i>Opuntia humifusa</i>	3	4
<i>Penstemon albidus</i>	1	1
<i>Physalis longifolia</i>	3	17
<i>Cirsium plattensis</i>	1	1
<i>Panicum capillare</i>	1	2
<i>Artemisia filifolia</i>	2	6
<hr/>		
Grassland → Grassland		
<hr/>		
<i>Aristida purpurea</i>	2	8
<i>Artemisia dracunculoides</i>	1	4

<i>Hedeoma hispida</i>	1	9
<i>Arabis hirsuta</i>	1	4
<i>Eremogone hookeri</i>	1	1
<i>Erysimum cheiranthoides</i>	1	1
<i>Penstemon angustifolia</i>	1	2
<i>Physalis hispida</i>	1	1

Table A1.6. A list of understory woody plant and bird species unique to each transition class, along with the number of sampling sites each species was recorded in.

Abbrv.	Species	Number of Sites
Unburned Forest		
BHGR	<i>Pheucticus melanocephalus</i>	1
CEWA	<i>Bombycilla cedrorum</i>	3
AMKE	<i>Falco sparverius</i>	1
OVEN	<i>Seiurus aurocapillus</i>	1
PLVI	<i>Vireo plumbeus</i>	3
PYNU	<i>Sitta pygmaea</i>	1
RBNU	<i>Sitta canadensis</i>	1
ACNE	<i>Acer negundo</i>	1
MARE	<i>Mahonia repens</i>	4
PRAM	<i>Prunus americana</i>	5
RIAU	<i>Ribes aureum</i>	1
RIOX	<i>Ribes oxycanthoides</i>	1
Forest → Forest		
AMRO	<i>Turdus migratorius</i>	1
BUOR	<i>Icterus bullockii</i>	1
CONI	<i>Chordeiles minor</i>	1
ULAM	<i>Ulmus americana</i>	1
Forest → Grassland		
BRTH	<i>Toxostoma rufum</i>	1
Grassland		
GRSP	<i>Ammodramus savannarum</i>	5
ARFI	<i>Artemisia filifolia</i>	5

Grassland → Grassland

PRFA *Falco mexicanus*

1