

APPENDIX 1.1. Crosswalk between existing vegetation types (mapped as ecological systems [Comer et al. 2003]) in LANDFIRE existing vegetation type (LANDFIRE 2007) and: (1) vegetation maps used to develop Wyoming Basins Ecoregional Assessment (WBEA) wildlife and invasive species models; (2) summary maps used for Chapter 1 tables and figures; and (3) vegetation maps used for Chapter 3 tables and figures.

LANDFIRE land cover class	LANDFIRE land cover description	WBEA model land cover class	WBEA model land cover description	WBEA Chapter 1 land cover class	WBEA Chapter 1 land cover description	WBEA Chapter 3 land cover class	WBEA Chapter 3 land cover description
11	Open Water	23	Water	13	Water	9	Wetland/Water
12	Snow/Ice	3	Barren	3	Barren	3	Sparse/Barren
20	Developed-General	9	Developed	7	Developed	10	Developed
21	Developed-Open Space	9	Developed	7	Developed	10	Developed
22	Developed-Low Intensity	9	Developed	7	Developed	10	Developed
23	Developed-Medium Intensity	9	Developed	7	Developed	10	Developed
24	Developed-High Intensity	9	Developed	7	Developed	10	Developed
31	Barren	3	Barren	3	Barren	3	Barren
32	Quarries/Strip Mines/Gravel Pits	9	Developed	7	Developed	10	Developed
80	Agriculture-General	1	Agriculture	1	Agriculture	1	Agriculture
81	Agriculture-Pasture/Hay	1	Agriculture	1	Agriculture	1	Agriculture
82	Agriculture-Cultivated Crops and Irrigated Agriculture	1	Agriculture	1	Agriculture	1	Agriculture
83	Agriculture-Small Grains	1	Agriculture	1	Agriculture	1	Agriculture
84	Agriculture-Fallow	1	Agriculture	1	Agriculture	1	Agriculture
2001	Inter-Mountain Basins Sparsely Vegetated Systems	3	Barren	3	Barren	3	Sparse/Barren
2006	Rocky Mountain Alpine/Montane Sparsely Vegetated Systems	3	Barren	3	Barren	3	Sparse/Barren
2007	Western Great Plains Sparsely Vegetated Systems	3	Barren	3	Barren	3	Sparse/Barren
2009	Northwestern Great Plains Aspen Forest and Parkland	2	Aspen	2	Aspen	2	Forest
2011	Rocky Mountain Aspen Forest and Woodland	2	Aspen	2	Aspen	2	Forest
2012	Rocky Mountain Bigtooth Maple Ravine Woodland	16	Maple	5	Mixed Shrubland	8	Woodland
2016	Colorado Plateau Pinyon-Juniper Woodland	18	Juniper	10	Juniper	8	Woodland
2019	Great Basin Pinyon-Juniper Woodland	18	Juniper	10	Juniper	8	Woodland
2045	Northern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest	7	Conifer Forest	6	Conifer Forest	2	Forest
2046	Northern Rocky Mountain Subalpine Woodland and Parkland	7	Conifer Forest	6	Conifer Forest	2	Forest
2047	Northern Rocky Mountain Mesic Montane Mixed Conifer Forest	7	Conifer Forest	6	Conifer Forest	2	Forest
2048	Northwestern Great Plains Highland White Spruce Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2049	Rocky Mountain Foothill Limber Pine-Juniper Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest

Rowland, M. M., and M. Leu. 2011. Study area description. Pp. 10-45 in S. E. Hanser, M. Leu, S. T. Knick, and C. L. Aldridge (editors). Sagebrush ecosystem conservation and management: ecoregional assessment tools and models for the Wyoming Basins. Allen Press, Lawrence, KS.

LANDFIRE land cover class	LANDFIRE land cover description	WBEA model land cover class	WBEA model land cover description	WBEA Chapter 1 land cover class	WBEA Chapter 1 land cover description	WBEA Chapter 3 land cover class	WBEA Chapter 3 land cover description
2050	Rocky Mountain Lodgepole Pine Forest	7	Conifer Forest	6	Conifer Forest	2	Forest
2051	Southern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest and Wood	7	Conifer Forest	6	Conifer Forest	2	Forest
2052	Southern Rocky Mountain Mesic Montane Mixed Conifer Forest and Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2053	Northern Rocky Mountain Ponderosa Pine Woodland and Savanna	7	Conifer Forest	6	Conifer Forest	2	Forest
2054	Southern Rocky Mountain Ponderosa Pine Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2055	Rocky Mountain Subalpine Dry-Mesic Spruce-Fir Forest and Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2056	Rocky Mountain Subalpine Mesic-Wet Spruce-Fir Forest and Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2057	Rocky Mountain Subalpine-Montane Limber-Bristlecone Pine Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2059	Southern Rocky Mountain Pinyon-Juniper Woodland	18	Juniper	10	Juniper	8	Woodland
2061	Inter-Mountain Basins Aspen-Mixed Conifer Forest and Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2062	Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland	14	Mtn Mahogany	5	Mixed Shrubland	8	Woodland
2064	Colorado Plateau Mixed Low Sagebrush Shrubland	10	Low/Black Sagebrush	4	Sagebrush	4	Shrubland
2066	Inter-Mountain Basins Mat Saltbush Shrubland	20	Salt Desert Shrubland	12	Salt Desert Shrubland	4	Shrubland
2070	Rocky Mountain Alpine Dwarf-Shrubland	21	Mtn shrubland	4	Sagebrush	4	Shrubland
2072	Wyoming Basins Dwarf Sagebrush Shrubland and Steppe	10	Low/Black Sagebrush	4	Sagebrush	4	Shrubland
2079	Great Basin Xeric Mixed Sagebrush Shrubland	10	Low/Black Sagebrush	4	Sagebrush	4	Shrubland
2080	Inter-Mountain Basins Big Sagebrush Shrubland	4	Big Sagebrush	4	Sagebrush	4	Shrubland
2081	Inter-Mountain Basins Mixed Salt Desert Scrub	20	Salt Desert Shrubland	12	Salt Desert Shrubland	4	Shrubland
2082	Mojave Mid-Elevation Mixed Desert Scrub	22	Lowland Shrubland	12	Salt Desert Shrubland	4	Shrubland
2085	Northwestern Great Plains Shrubland	22	Lowland Shrubland	12	Salt Desert Shrubland	4	Shrubland
2086	Rocky Mountain Lower Montane-Foothill Shrubland	21	Mtn shrubland	4	Sagebrush	4	Shrubland
2093	Southern Colorado Plateau Sand Shrubland	20	Salt Desert Shrubland	12	Salt Desert Shrubland	4	Shrubland
2094	Western Great Plains Sandhill Steppe	22	Lowland Shrubland	12	Salt Desert Shrubland	4	Shrubland
2103	Great Basin Semi-Desert Chaparral	8	Chaparral	5	Mixed Shrubland	4	Shrubland
2104	Mogollon Chaparral	8	Chaparral	5	Mixed Shrubland	4	Shrubland
2106	Northern Rocky Mountain Montane-Foothill Deciduous Shrubland	21	Mtn shrubland	4	Sagebrush	4	Shrubland
2107	Rocky Mountain Gambel Oak-Mixed Montane Shrubland	17	Oak	5	Mixed Shrubland	4	Shrubland
2108	Sonora-Mojave Semi-Desert Chaparral	8	Chaparral	5	Mixed Shrubland	4	Shrubland
2115	Inter-Mountain Basins Juniper Savanna	18	Juniper	10	Juniper	8	Woodland
2117	Southern Rocky Mountain Ponderosa Pine Savanna	7	Conifer Forest	6	Conifer Forest	2	Forest
2119	Southern Rocky Mountain Juniper Woodland and Savanna	18	Juniper	10	Juniper	8	Woodland
2123	Columbia Plateau Steppe and Grassland	13	Grassland	8	Grassland	7	Grassland
2124	Columbia Plateau Low Sagebrush Steppe	10	Low/Black Sagebrush	4	Sagebrush	4	Shrubland

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2125	Inter-Mountain Basins Big Sagebrush Steppe	4	Big Sagebrush	4	Sagebrush	4	Shrubland
2126	Inter-Mountain Basins Montane Sagebrush Steppe	5	Mtn Big Sagebrush	4	Sagebrush	4	Shrubland
2127	Inter-Mountain Basins Semi-Desert Shrub-Steppe	15	Mixed Shrubland	5	Mixed Shrubland	4	Shrubland
2132	Central Mixedgrass Prairie	13	Grassland	8	Grassland	7	Grassland
2135	Inter-Mountain Basins Semi-Desert Grassland	13	Grassland	8	Grassland	7	Grassland
2139	Northern Rocky Mountain Lower Montane-Foothill-Valley Grassland	13	Grassland	8	Grassland	7	Grassland
2140	Northern Rocky Mountain Subalpine-Upper Montane Grassland	13	Grassland	8	Grassland	7	Grassland
2141	Northwestern Great Plains Mixedgrass Prairie	13	Grassland	8	Grassland	7	Grassland
2143	Rocky Mountain Alpine Fell-Field	3	Barren	3	Barren	3	Sparse/Barren
2144	Rocky Mountain Alpine Turf	3	Barren	3	Barren	3	Sparse/Barren
2145	Rocky Mountain Subalpine-Montane Mesic Meadow	13	Grassland	8	Grassland	7	Grassland
2146	Southern Rocky Mountain Montane-Subalpine Grassland	13	Grassland	8	Grassland	7	Grassland
2147	Western Great Plains Foothill and Piedmont Grassland	13	Grassland	8	Grassland	7	Grassland
2148	Western Great Plains Sand Prairie	22	Lowland Shrubland	12	Salt Desert Shrubland	7	Grassland
2149	Western Great Plains Shortgrass Prairie	13	Grassland	8	Grassland	7	Grassland
2153	Inter-Mountain Basins Greasewood Flat	12	Greasewood	9	Greasewood	4	Shrubland
2154	Inter-Mountain Basins Montane Riparian Systems	19	Riparian	11	Riparian	6	Riparian
2159	Rocky Mountain Montane Riparian Systems	19	Riparian	11	Riparian	6	Riparian
2160	Rocky Mountain Subalpine/Upper Montane Riparian Systems	19	Riparian	11	Riparian	6	Riparian
2161	Northern Rocky Mountain Conifer Swamp	24	Wetland	14	Wetland	9	Wetland/Water
2162	Western Great Plains Floodplain Systems	19	Riparian	11	Riparian	6	Riparian
2165	Northern Rocky Mountain Foothill Conifer Wooded Steppe	7	Conifer Forest	6	Conifer Forest	2	Forest
2166	Middle Rocky Mountain Montane Douglas-fir Forest and Woodland	7	Conifer Forest	6	Conifer Forest	2	Forest
2167	Rocky Mountain Poor-Site Lodgepole Pine Forest	7	Conifer Forest	6	Conifer Forest	2	Forest
2168	Northern Rocky Mountain Avalanche Chute Shrubland	3	Barren	3	Barren	3	Sparse/Barren
2169	Northern Rocky Mountain Subalpine Deciduous Shrubland	21	Mtn shrubland	4	Sagebrush	4	Shrubland
2179	Northwestern Great Plains-Black Hills Ponderosa Pine Woodland and Savan	7	Conifer Forest	6	Conifer Forest	2	Forest
2180	Introduced Riparian Vegetation	11	Exotic Grass and Forbs	8	Grassland	7	Exotic
2181	Introduced Upland Vegetation-Annual Grassland	11	Exotic Grass and Forbs	8	Grassland	7	Exotic
2182	Introduced Upland Vegetation-Perennial Grassland and Forbland	11	Exotic Grass and Forbs	8	Grassland	7	Exotic
2183	Introduced Upland Vegetation-Annual and Biennial Forbland	11	Exotic Grass and Forbs	8	Grassland	7	Exotic
2203	Juniperus occidentalis Woodland Alliance	18	Juniper	10	Juniper	8	Woodland
2208	Abies concolor Forest Alliance	7	Conifer Forest	6	Conifer Forest	2	Forest

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2210	<i>Coleogyne ramosissima</i> Shrubland Alliance	6	Blackbrush	5	Mixed Shrubland	4	Shrubland
2211	<i>Grayia spinosa</i> Shrubland Alliance	15	Mixed Shrubland	5	Mixed Shrubland	4	Shrubland
2214	<i>Arctostaphylos patula</i> Shrubland Alliance	21	Mtn shrubland	4	Sagebrush	4	Shrubland
2217	<i>Quercus gambelii</i> Shrubland Alliance	17	Oak	5	Mixed Shrubland	4	Shrubland
2220	<i>Artemisia tridentata</i> ssp. <i>vaseyana</i> Shrubland Alliance	5	Mtn Big Sagebrush	4	Sagebrush	4	Shrubland
2227	<i>Pseudotsuga menziesii</i> Forest Alliance	7	Conifer Forest	6	Conifer Forest	2	Conifer Forest
2228	<i>Larix occidentalis</i> Forest Alliance	7	Conifer Forest	6	Conifer Forest	2	Conifer Forest
2385	Western Great Plains Wooded Draw and Ravine	22	Wetland	14	Wetland	9	Wetland/Water
2495	Western Great Plains Depressional Wetland Systems	24	Wetland	14	Wetland	9	Wetland/Water