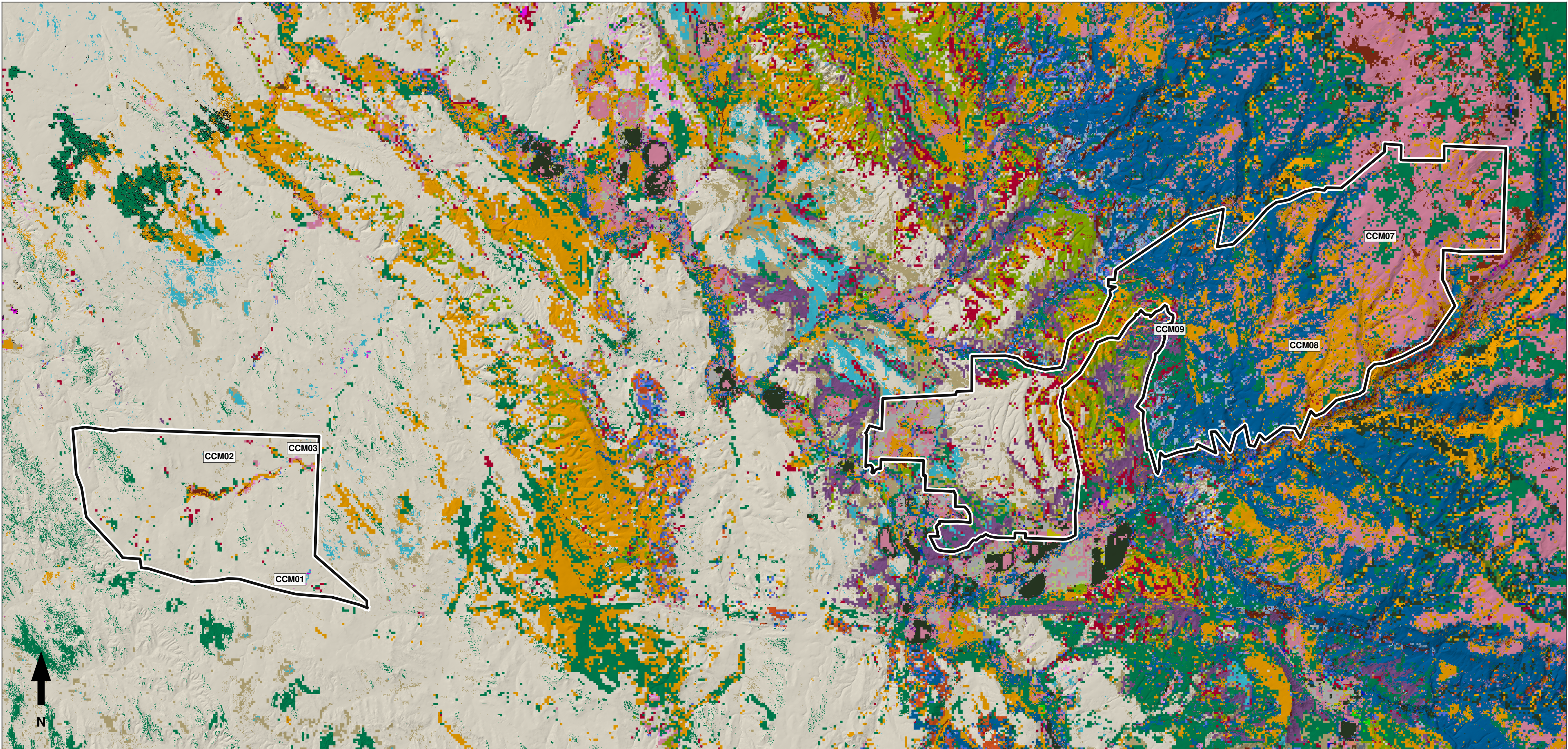


Species Composition | Plant Community Map for Bighorn Basin Rangelands

10 m EMIT and EnMAP imaging spectroscopy, GEDI/CHM canopy structure and HLS multispectral reflectance · Carter Country Meats Ranch, Ten Sleep, Wyoming · Summer 2026: 5 admitted scenes (2026-06-01, 2026-06-05, 2026-06-16, 2026-07-13, 2026-08-01)



1 · ARTR — Artemisia tridentata (big sagebrush) 12.1%	13 · SALI — Salix spp. (willow) *	25 · ROCK_MET — metamorphic rock (exposed) *	37 · RICE_VEG — Oryza sativa (rice, vegetative) *
2 · CHRY — Chrysothamnus viscidiflorus (rabbitbrush) 0.8%	14 · DECI — other deciduous broadleaf (shrubs, trees) 0.1%	26 · CORN_VEG — Zea mays (corn, vegetative) *	38 · ALFALFA_EMERGENT — Medicago 0.1%
3 · ATCA — Atriplex canescens (fourwing saltbush) 1.1%	15 · LICH — lichen and cyanobacteria (biocrust) 2.9%	27 · CORN_SENESCENT — Zea mays (corn, senescent) *	39 · ALFALFA_VEG — Medicago sativa 0.1%
4 · SATR — Salsola tragus (Russian thistle) 2.3%	16 · NWFRB — native perennial forbs (wildflowers) 7.7%	28 · CORN_HARVESTED — Zea mays (corn, harvested) *	40 · ALFALFA_SENESCENT — Medicago 0.1%
5 · CHE — Bromus tectorum (cheatgrass) 1.7%	17 · NPV_GRASS — standing dead and cured grass 3.3%	29 · SOYBEAN_VEG — Glycine max (soybean, vegetative) *	41 · BARLEY_EMERGENT — Hordeum (barley, emergent) *
6 · AFG_AF — Bassia scoparia, annual forbs (kochia) 0.2%	18 · NPV_BARK — bark (woody bark) *	30 · SOYBEAN_SENESCENT — Glycine max *	42 · BARLEY_VEG — Hordeum vulgare 0.1%
7 · AFG_BD — Bromus spp. (Japanese brome) 0.1%	19 · NPV_LEAF — leaf litter (fallen leaves) 1.1%	31 · SOYBEAN_HARVESTED — Glycine max *	43 · BARLEY_SENESCENT — Hordeum (barley, senescent) *
8 · PFG — perennial graminoids 12.0%	20 · NPV_NEEDLE — needle litter (conifer) *	32 · COTTON_VEG — Gossypium (cotton, vegetative) *	44 · SUGARBEET_VEG — Beta vulgaris (sugar beet) 0.1%
9 · PIED — Pinus ponderosa / P. flexilis (pine) 9.7%	21 · NPV_BRANCH — woody debris (branches and stems) *	33 · COTTON_SENESCENT — Gossypium *	45 · WATER_CLEAR — open water (clear water) *
10 · JUOS — Juniperus osteosperma (Utah juniper) 0.7%	22 · BARE — bare soil (exposed soil) 40.7%	34 · COTTON_HARVESTED — Gossypium *	46 · URBAN_BUILT — built surfaces (roads, structures) *
11 · CONI — other conifers (mixed conifer) 1.8%	23 · ROCK_IG — igneous rock (exposed) *	35 · WHEAT_VEG — Triticum aestivum (wheat, vegetative) *	47 · SARVE — Sarcobatus vermiculatus (greasewood) 1.0%
12 · POPU — Populus spp. (cottonwood and aspen) *	24 · ROCK_SED — sedimentary rock (sandstone, shale) *	36 · WHEAT_SENESCENT — Triticum (wheat, senescent) *	48 · BURN — burned surface (char and ash) *

* : Never the leading class in a cell

Label: largest live vegetation class where its cover is at least 5 %; otherwise the largest class (bare soil, rock, cured grass or litter). Classes Marked * do not occur in this composite. Terrain shading: colors darkened by hillshade only, hue unchanged. Dotted outline: seam between The June 2026 swaths, filled from the 2026 annual composite (9 scenes). Gray: not rangeland. White: no data. Basemap: hillshade derived From the USGS 3D Elevation Program (3DEP) 1/3 arc-second DEM (U.S. Geological Survey, <https://www.usgs.gov/3d-elevation-program>).