

Num	Eco. Indicators	Process Indicator	Score	None to slight	Slight to moderate	Moderate	Moderate to extreme	Extreme to total
1	LIVE CANOPY ABUNDANCE	% of site potential	-10 to 10	Live canopy exceeds 80% of potential site production based on recent climate. Maximum photosynthesis.	60-80% of live canopy abundance potential based on recent climate. 750-1,000 lbs/acre	40-60% of site live canopy potential based on recent climate. 500-750 lbs/acre	20-40% of site live canopy potential based on recent climate. 250-500 lbs/acre	Less than 20% of site live canopy potential based on recent climate. Minimal photosynthesis. <250 lbs/acre
		10		5	0	-5	-10	
2	LIVING ORGANISMS	Evidence of micr...	-10 to 10	Microfauna life signs are abundant and very easy to find.	Slight to moderate reduction to microfauna signs, still abundant.	Moderate reduction of microfauna signs. Some components missing.	Little abundance of microfauna signs related to site potential.	Next to no sign of microfauna. Components of the ecosystem are clearly missing.
		10		5	0	-5	-10	
3	FG 1 - WARM SEASON GRASSES	Reproductive ca... <b>Key species:</b> Bouteloua gracilis, Sporobolus cryptandrus	-10 to 10	Amount of floral stems and young plants of this group matches site and year potential.	Amount of floral stems and young plants of this group is slightly lower than site and year potential.	The group maintains a moderate amount of flower stems and young plants.	Stand reproduction is significantly reduced. Minimal amount of flower stems. Young plants unfrequent.	The group stand does not exhibit flower stems or young plants.
		10		5	0	-5	-10	
3	FG 1 - WARM SEASON GRASSES	Vigour/mortality/... <b>Key species:</b> Bouteloua gracilis, Sporobolus cryptandrus	-10 to 10	Plants show vigour and amount of green leaves that matches the expected for the site and the year.	Plants show vigour and amount of green leaves that is slightly below the expected for the site and the year.	Moderate loss of vigour and increase of % standing dead. Few decadent or dead plants.	High frequency of plants with poor growth and high standing dead percentage. High percentage of plants with dead	Decadent or dead plants are the most common. Abundant standing dead material.
		10		5	0	-5	-10	
4	FG 2 - COOL SEASON GRASSES	Reproductive ca... <b>Key species:</b> Pseudoroegneria spicata, Festuca idahoensis, Pascopyrum smithii	-10 to 10	Amount of floral stems and young plants of this group matches site and year potential.	Amount of floral stems and young plants of this group is slightly lower than site and year potential.	The group maintains a moderate amount of flower stems and young plants.	Stand reproduction is significantly reduced. Minimal amount of flower stems. Young plants unfrequent.	The group stand does not exhibit flower stems or young plants.
		10		5	0	-5	-10	
4	FG 2 - COOL SEASON GRASSES	Vigour/mortality/... <b>Key species:</b> Pseudoroegneria spicata, Festuca idahoensis, Pascopyrum smithii	-10 to 10	Plants show vigour and amount of green leaves that matches the expected for the site and the year.	Plants show vigour and amount of green leaves that is slightly below the expected for the site and the year.	Moderate loss of vigour and increase of % standing dead. Few decadent or dead plants.	High frequency of plants with poor growth and high standing dead percentage. High percentage of plants with dead	Decadent or dead plants are the most common. Abundant standing dead material.
		10		5	0	-5	-10	
5	FG 3 - FORBS/LEGUMES	Reproductive ca... <b>Key species:</b> Dalea spp, Liatris spp,	-10 to 10	Amount of floral stems and young plants of this group matches site and year potential.	Amount of floral stems and young plants of this group is slightly lower than site and year potential.	The group maintains a moderate amount of flower stems and young plants.	Stand reproduction is significantly reduced. Minimal amount of flower stems. Young plants unfrequent.	The group stand does not exhibit flower stems or young plants.
		10		5	0	-5	-10	

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5	FG 3 - FORBS/LEGUMES	Vigour/mortality/... <b>Key species:</b> Dalea spp, Liatris spp,	-10 to 10	Plants show vigour and amount of green leaves that matches the expected for the site and the year.	Plants show vigour and amount of green leaves that is slightly below the expected for the site and the year.	Moderate loss of vigour and increase of % standing dead. Few decadent or dead plants.	High frequency of plants with poor growth and high standing dead percentage. High percentage of plants with dead	Decadent or dead plants are the most common. Abundant standing dead material.
		10		5	0	-5	-10	
6	FG 4 - DESIRABLE TREES/SHRUBS	Reproductive ca... <b>Key species:</b> Atriplex spp, Chrysothamnus spp	-10 to 10	Amount of floral stems and young plants of this group matches site and year potential.	Amount of floral stems and young plants of this group is slightly lower than site and year potential.	The group maintains a moderate amount of flower stems and young plants.	Stand reproduction is significantly reduced. Minimal amount of flower stems. Young plants unfrequent.	The group stand does not exhibit flower stems or young plants.
		10		5	0	-5	-10	
6	FG 4 - DESIRABLE TREES/SHRUBS	Vigour/mortality/... <b>Key species:</b> Atriplex spp, Chrysothamnus spp	-10 to 10	Plants show vigour and amount of green leaves that matches the expected for the site and the year.	Plants show vigour and amount of green leaves that is slightly below the expected for the site and the year.	Moderate loss of vigour and increase of % standing dead. Few decadent or dead plants.	High frequency of plants with poor growth and high standing dead percentage. High percentage of plants with dead	Decadent or dead plants are the most common. Abundant standing dead material.
		10		5	0	-5	-10	
7	CONTEXTUALLY DESIRABLE RARE SPECIES	Frequency <b>Key species:</b> Krascheninnikovia lanata	0 to 10	Species frequency is the maximum expected for the site and the year.	Species frequency is lower than expected for the site, but still abundant.	Rare species are absent or hard to find.	Rare species are absent or hard to find.	Rare species are absent or hard to find.
		10		5	0	0	0	
8	CONTEXTUALLY UNDESIRABLE SPECIES	Abundance <b>Key species:</b> Cactus	-10 to 0	The abundance of contextually undesirable species matches what is expected for the site.	Amount of contextually undesirable species is slightly higher than expected for the site.	Amount of contextually undesirable species is moderately higher than expected for the site.	Contextually undesirable species codominate the site.	Contextually undesirable species dominate the site.
		0		0	0	-5	-10	
8	CONTEXTUALLY UNDESIRABLE SPECIES	Reproductive ca... <b>Key species:</b> Cactus	-20 to 0	Frequency of young plants of contextually undesirable species is minimal.	Frequency of young plants of contextually undesirable species is minimal.	Frequency of young plants of contextually undesirable species is moderately higher than expected.	Frequency of young plants of contextually undesirable species is high. Invasive species are increasing.	Contextually undesirable species show a high frequency of young plants, a fast transition is happening.
		0		0	0	-10	-20	
9	LITTER ABUNDANCE		0 to 10	Amount is what is expected for the site potential and weather. >90%	Slightly more or less relative to site potential and weather. 80-90%	Moderately more or less relative to site potential and weather. 70-80%	Greatly reduced or increased relative to site potential and weather. 60-70%	Largely absent or dominant relative to site potential and weather. <60%
		10		5	0	0	0	

Eco Region: Wyoming Basins

Creation Date: 08/10/2022

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10	LITTER INCORPORATION		0 to 10	Litter is mixing well with soil, resulting in a faster mineral cycle.	Litter mixed well with soil in parts, and is non attached in others. Mineral cycle not so fast.	Some soil - litter mix. Litter amount may be excessive or scarce. Slower mineral cycle.	Litter is not mixing with soil. Amount may be excessive or scarce. Slow mineral cycle.	Litter is not mixing with soil. Amount may be excessive or scarce. Slow mineral cycle.
		10		5	0	0	0	
11	DUNG DECOMPOSITION		0 to 10	Dung decomposes fast, most dung pellets age is less than one year. High insect activity.	Dung decomposes slightly slower, but old dung pellets are relatively few. Moderate insect activity.	Some decomposition, but most of dung pellets are older than 2 years. Few insects.	Very slow decomposition, dung pellets older than 2 years. Few to negligible insect activity.	Very slow decomposition, dung pellets older than 2 years. Few to negligible insect activity.
		10		5	0	0	0	
12	BARE SOIL		-20 to 20	Amount and size of bare areas match what is expected for the site. <10%	Slightly to moderately higher than expected for the site. Bare areas are small and rarely connected. 10-20%	Moderately higher than expected for the site. Bare areas are of moderate size and sporadically connected. 20-30%	Moderately to much higher than expected for the site. Bare areas are large and occasionally connected. 30-40%	Much higher than expected for the site. Bare areas are large and usually interconnected. >40%
		20		10	0	-10	-20	
13	CAPPING		-10 to 0	Soil surface is loose or with a light capping that breaks easily with the finger.	Soil surface is loose or with a light capping that breaks easily with the finger.	Soil surface is loose or with a light capping that breaks easily with the finger.	Obvious capping, that breaks making pressure with the finger.	Heavy Capping, requires metal object to break. Mature capping.
		0		0	0	-5	-10	
14	WIND EROSION	Active blowout/d...	-20 to 0	Matches what is expected for site.	Unfrequent or rare.	Occasionally present.	Common.	Extensive.
		0		0	0	-10	-20	
14	WIND EROSION	Active pedestals	-20 to 0	Amount of pedestals and terracettes match what is expected for the site. In no case erosion processes are	Active pedestalling or terracettes formation is rare. Some evidence of past pedestal formation, specially in water flow	Slight active pedestalling; most pedestals are in flow paths and interspaces and/or on exposed slopes. Occassional	Moderate active pedestalling. Terracettes common. Some rocks and plants are pedestalled with occassional	Abundant active pedestalling and numerous terracettes. Many rocks and plants are pedestalled, exposed plant roots
		0		0	0	-10	-20	
14	WIND EROSION	Litter movement	-20 to 0	Matches that expected for the site with a fairly uniform distribution of litter.	Slightly more litter movement than expected, with only small size classes of litter being displaced.	Moderate movement of smaller size classes in scattered concentrations around	Moderate to extreme; loosely concentrated near obstructions. Moderate to small classes of litter have been	Extreme; concentrated around obstructions. Most size classes of litter have been displaced.
		0		0	0	-10	-20	

Eco Region: Wyoming Basins -----

Creation Date: 08/10/2022 -----

Scorecard Name: Wyoming Basins - Wyoming Basins - 08/10/2022 - Skyler Smith -----

Created By: Skyler Smith -----

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15	WATER EROSION	Active rills	-20 to 0	Current or past formation of rills as expected for the site.	No recent formation of rills; old rills have blunted or muted	Active rill formation is slight at infrequent intervals; mostly in exposed	Rill formation is moderately active and well defined throughout most of	Rill formation is severe and well defined throughout most of the site.

				features.	areas.	the site.		
		0		0	0	-10	-20	
15	WATER EROSION	Active water flows	-20 to 0	Matches what is expected for the site: minimal evidence of past or current soil deposition or erosion.	Number and length of water flow patterns match what is expected for the site; flow patterns are stable and short.	Number and length of water flow patterns nearly match what is expected for the site; erosion is minor with some	Water flow patterns more numerous and extensive than expected; occasionally connected.	Water flow patterns extensive and numerous; unstable with active erosion; usually connected.
		0		0	0	-10	-20	
15	WATER EROSION	Active gullies	-20 to 0	Match what is expected for the site. Drainages are represented as natural stable channels; vegetation common	Uncommon; vegetation is stabilizing the bed and slopes; no signs of active headcuts; nickpoints or bed	Moderate in number with indications of active erosion; vegetation is intermittent on slopes and/or bed. Occasional	Moderate in number to common with indications of active erosion; vegetation is intermittent on slopes and/or bed.	Common with indications of active erosion and downcutting; vegetation is infrequent on slopes and/or bed.
		0		0	0	-10	-20	