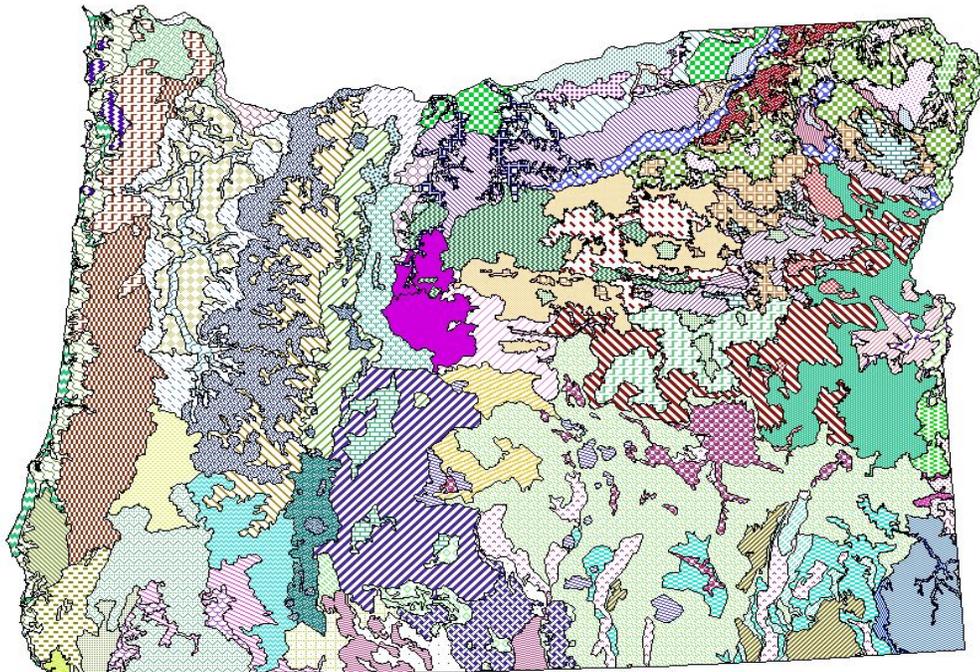


MLRA B10A Central Rocky and Blue Mountains: Pumice Zone

**Ecological Site Descriptions - Historic Climax Plant
Communities
(for determining Rangeland Similarity Index,
Production, and Rangeland Health)**

OREGON MAJOR LAND RESOURCE AREAS



B10A: Central Rocky and Blue Mountains: Pumice Zone

USING ECOLOGICAL SITE DESCRIPTION FIELD SHEETS

The ESD field sheets are condensations of ecological site descriptions. They are designed to contain the necessary information for conducting rangeland inventory (see 190-NRPH, Amendment OR-2, 5-2004; 600.0401a ***Oregon Protocols for Rangeland and Pasture / Hayland Inventory and Evaluation***). The information is provided for the following parts of rangeland inventory protocols:

First Page:

- ✚ Ecological site name, number, plant association, and normal pounds per acre (air-dry) productivity in high seral condition.
- ✚ The Historic Climax Plant Community (HCPC) description including listing by common name, scientific name, NRCS national plant code, and functional grouping (see functional groupings list). Plants are grouped by grasses/grasslikes, forbs, shrubs, and trees.
- ✚ Percent composition by weight of each species in the HCPC (expected low to high range of composition in the plant community).
- ✚ Weight of each species in the HCPC (expected low to high range of weights in the plant community by pounds per acre; based on the percent composition times the normal pounds per acre (air-dry) productivity in high seral condition). These plant species weights are used for completing Rangeland Similarity Index. Enter the weight from the guide into **column J**, Pounds in Reference State, in the Rangeland Inventory Worksheet, Exhibit 4-11. Use the figures from either the Low or High columns (but not both). Be consistent, if you use the figures from the Low column, continue using these for the entire rangeland unit evaluation.
- ✚ The subtotal percentage and weight of each plant type appears in the shaded bars above each plant type grouping. The total percentages and weights (for low and high ranges) appear in the shaded bar at the bottom of the sheet. These total weights are used for completing Rangeland Similarity Index. Enter the total weight into **block L**, Total normal annual production in reference vegetative state (HCPC), in the Rangeland Inventory Worksheet, Exhibit 4-11. Use the total that corresponds to the species values used; if Low range values were used, use the Low total, if the High values were used, use the High total; do not compare values across columns.

Second Page:

- ✚ Initial stocking rates for general seral conditions are provided in the first block. These are based on the normal pounds per acre (air-dry) productivity in high seral condition and are adjusted downwards for decreasing ecological condition. These values are conservative and may not reflect the actual productivity of the site; they can be used to develop forage inventories and consequently prescribed grazing plans but generally will not be as accurate as on-site estimations of productivity.
- ✚ The remainder of the sheet contains the seventeen indicators (and weights) of Rangeland Health and a brief description of potentials of each for this ecological site. Use these with the Rangeland Health Indicator Matrix, Exhibit 4-12 to complete the Rangeland Health Assessment on the Oregon Rangeland Inventory Worksheet, Exhibit 4-11.

FUNCTIONAL GROUPINGS FOR RANGEGLAND ECOLOGICAL SITES IN OREGON

TYPE	I	II	III*	GROUP
GRASS/GRASSLIKE	Perennial	Deep-rooted (to 3+ feet)	Dominant	1
			Sub-dominant	2
	Perennial	Shallow-rooted (< 2 feet)	Dominant	3
			Sub-dominant	4
	Perennial	Others (PPGG)	All	5
	Annual	All	All	6
FORBS	Perennial	All	Dominant	7
			Sub-dominant	8
	Perennial	Others (PPFF)	All	9
	Annual	All	All	10
SHRUBS	Perennial	Evergreen	Dominant	11
			Sub-dominant	12
	Perennial	Deciduous (or 1/2 shrubs)	Dominant	13
			Sub-dominant	14
	Perennial	Others (SSSS)	All	15
	TREES	Perennial	Evergreen	Dominant
Sub-dominant				17
Perennial		Deciduous	Dominant	18
			Sub-dominant	19

* Category III	
Dominant:	Species with the highest percent composition. If another species has at least 1/2 the percent composition in the high column as the clearly dominant species has in the low column, then it too is dominant.
Sub Dominant:	Less than 1/2 the percent composition of the clearly dominant species in the high column as the clearly dominant species has in the low column.
All:	"Other" species are grouped as aggregates and may or may not be present. They are always sub dominant to other species with individual percentages of composition.

Site Number	Name	HCPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
010XA001OR	DROUGHTY LOAM 8-10 PZ	PSSP6/ARTRT-PUTR2/JUOC	Mesic	1100	900	700	PSSP6 (60) FEID (5) ARTRT (10) POSE (10)
010XA002OR	PUMICE HILLS 8-10 PZ	HECO26-ORHY/ARTRT-PUTR2/JUOC	Mesic	1000	800	600	HECO26 (50) JUOC (5) ARTRT (5) PUTR2 (5) ACTH7 (5) POSE (5) ACHY (5) FEID (5)
010XA003OR	DROUGHTY JUNIPER FAN 8-10 PZ	PSSP6-ACTH7-FEID/ARTRT/JUOC	Mesic	1000	800	600	HECO26 (40) PSSP6 (15) ACHY (10) ARTRT (10) JUOC (5)
010XA007OR	SOUTH 10-12 PZ	PSSP6/ARTRT/JUOC	Mesic	900	700	500	PSSP6 (60) JUOC (5) PUTR2 (5) ACTH7 (5) POSE (5) FEID (5) ARTRT (10)
010XA009OR	PUMICE FLAT 10-12 PZ	FEID-HECO26/ARTRT/JUOC	Mesic/Frigid	1100	900	700	FEID (30) ACOC3 (5) JUOC (5) ELMA7 (5) ACTH7 (5) ACHY (5) ARTRV (10) PUTR2 (10) HECO26 (20)
010XA014OR	CINDERY HILLS 10-12 PZ	PSSP6/ARTRW/JUOC	Mesic	600	500	300	PSSP6 (55) JUOC (5) ACTH7 (5) POSE (10) ARTRW (15)
010XA018OR	LOAMY 10-12 PZ	PSSP6/PUTR2/JUOC	Mesic	1100	900	700	PSSP6 (40) POSE (5) ARTR (10) PUTR2 (10) FEID (25)
010XA019OR	DROUGHTY 8-12 PZ	PSSP6-ACTH7-POSE/ARTRT-PUTR2/JUOC	Mesic	800	600	400	ERMI4 (5) ACTH7 (5) ARTRT (10) POSE (10) PSSP6 (35)
010XA021OR	SHALLOW PUMICE HILLS 10-12 PZ	FEID/ARTRV/JUOC	Frigid	1000	800	600	FEID (60) KOPY (5) ACTH7 (5) JUOC (10) ARTRV (10)
010XA022OR	LAVA BLISTERS 8-10 PZ	PSSP6-ACTH7-POSE/ARTRV/JUOC	Mesic	800	600	400	PSSP6 (45) JUOC (5) ACHY (5) FEID (5) ARTRV (10) ACTH7 (10) POSE (10)
010XA023OR	LAVA BLISTERS 10-12 PZ	PSSP6-FEID/ARTRV-PUTR2/JUOC	Mesic	900	700	500	JUOC (5) ARTRV (5) ACTH7 (5) POSE (5) PUTR2 (10) FEID (10) PSSP6 (35)
010XA024OR	PUMICE NORTH 8-10 PZ	FEID-PSSP6-HECO26/ARTRV/JUOC	Mesic	1100	900	700	FEID (45) PSSP6 (20) ARTRV (10) ARTRT (5) JUOC (5)
010XA025OR	SHALLOW NORTH 10-12 PZ	PSSP6-FEID-POSE/ARTRV/JUOC	Mesic	1000	800	600	FEID (30) ERMI4 (5) POSE (5) JUOC (10) ARTRV (10) PSSP6 (30)
010XA026OR	PUMICE NORTH 10-12 PZ	FEID-PSSP6/ARTRV/JUOC	Frigid	1100	900	700	JUOC (5) POSE (5) ARTRV (10) PSSP6 (20) FEID (40)
010XA027OR	PUMICE FLAT 8-10 PZ	HECO26-FEID-ACOC3/ARTRV/JUOC	Frigid	1000	800	600	HECO26 (40) ACOC3 (5) JUOC (5) ELMA7 (5) ARTRT (5) ACTH7 (5) ACHY (5) FEID (10)
010XA040OR	VERY SHALLOW PUMICE HILLS 8-11 PZ	FEID-ACOCO-PSSP6-ACTH7/ARTRV/JUOC	Frigid	500	350	200	FEID (20) ACOCO (10) PSSP6 (10) ACTH7 (5) ARTRV (15) JUOC (10)
010XA083OR	SANDY NORTH 10-12 PZ	FEID-PSSP6/PUTR2-ARTRV/JUOC	Mesic	1400	1200	900	FEID (30) JUOC (5) KOPY (5) ARTRV (5) ACTH7 (50) POSE (10) PSSP6 (10) PUTR2 (15)

Site Name		DROUGHTY LOAM 8-10 PZ						
Site Number		010XA001OR						
Plant Association		PSSP6/ARTRT-PUTR2/JUOC						
Normal Lbs./Ac.		900						
Range of composition and weight of species in HCPC with normal production:					% Comp. by Wt.		Lbs./Acre	
Common Name	Scientific Name	Symbol	Group	Low	High	Low	High	
Grasses & Grass-like Plants				87%	75%	621	819	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	55	65	495	585	
Sandberg bluegrass	Poa secunda	POSE	3	10	15	90	135	
Idaho fescue	Festuca idahoensis	FEID	2	1	5	9	45	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	1	2	9	18	
Indian ricegrass	Achnatherum hymenoides	ACHY	2	1	2	9	18	
basin wildrye	Leymus cinereus	LECI4	2	1	2	9	18	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Forbs				1%	6%	9	63	
Other Perennial Forbs	N/A	PPFF	9	1	7	9	63	
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0	
snow buckwheat	Eriogonum niveum	ERNI2				0	0	
fleabane	Erigeron	ERIGE2				0	0	
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0	
fernleaf biscuitroot	Lomatium dissectum	LODI				0	0	
mariposa lily	Calochortus	CALOC				0	0	
Palouse milkvetch	Astragalus arrectus	ASAR7				0	0	
spreading phlox	Phlox diffusa	PHDI3				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0	
yellow salsify	Tragopogon dubius	TRDU				0	0	
lupine	Lupinus	LUPIN				0	0	
pussytoes	Antennaria	ANTEN				0	0	
agoseris	Agoseris	AGOSE				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs				9%	16%	63	171	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	11	5	15	45	135	
antelope bitterbrush	Purshia tridentata	PUTR2	12	1	2	9	18	
Other Shrubs	N/A	SSSS	15	1	2	9	18	
shrubby buckwheat	Eriogonum microthecum	ERMI4				0	0	
granite prickly phlox	Leptodactylon pungens	LEPU				0	0	
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0	
spineless horsebrush	Tetradymia canescens	TECA2				0	0	
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0	
						0	0	
						0	0	
Trees				3%	4%	18	45	
western juniper	Juniperus occidentalis	JUOC	16	2	5	18	45	
						0	0	
						0	0	
Totals				100%	100%	711	1098	

Site Name		DROUGHTY LOAM 8-10 PZ				
Site Number		010XA001OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.03	0.08	0.14	0.20	
	High	0.04	0.13	0.22	0.30	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to shallow, well drained loams and sandy loams: low OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (55-65%) and level to gently rolling slopes (2-15%) limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > sandberg bluegrass > basin big sagebrush > forbs > idaho fescue = western juniper > other grasses = antelope bitterbrush = other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	8-12% (<0.5") in most areas					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1100, Normal: 900, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		PUMICE HILLS 8-10 PZ				
Site Number		010XA002OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.02	0.06	0.11	0.15	
	High	0.04	0.12	0.20	0.27	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-15%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	Some to few, Severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly resistant to erosion: aggregate stability = 3-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well or excessively drained, sandy soils: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (55-65%) and level to moderately steep slopes 0-30%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Needle and thread > indian ricegrass > dominant forbs > other grassees > basin big sagebrush = antelope bitterbrush = western juniper > idaho fescue = thurber needlegrass = sandberg bluegrass > bluebunch wheatgrass > shrubby buckwheat = other forbs = other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	8-12% (<0.5") in most areas					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name SOUTH 10-12 PZ					
Site Number 010XA007OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.07	0.11	0.16
	High	0.03	0.10	0.17	0.24
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly to moderately resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained, stony to very stony sandy loams - bedrock at 10 to 40 inches: low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (45-60%) and moderately steep to steep slopes (30-60%) slightly to moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > sandberg bluegrass = western juniper = basin big sagebrush > other forbs = antelope bitterbrush > other shrubs > thurber needlegrass > bottlebrush squirreltail > other dominant grasses				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	5-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 900, Normal: 700, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		PUMICE FLAT 10-12 PZ				
Site Number		010XA009OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.06	0.11	0.15
		High	0.05	0.16	0.27	0.38
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, Slight to moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	15-30%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Slight to moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, somewhat excessively drained, ashy sandy loams to loamy sands: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (65-80%) and level to gently rolling slopes (0-20%) significantly limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > needle and thread > antelope bitterbrush > other dominant grasses > mountain big sagebrush = western juniper > other forbs > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1100, Normal: 900, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name CINDERY HILLS 10-12 PZ					
Site Number 010XA014OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.01	0.04	0.07	0.10
	High	0.02	0.07	0.12	0.17
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, Severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep (scoriaceous cinders occur at 10-20 inches), excessively drained sandy loam: low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (45-60%) and steep slopes (to 50%) slightly limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > wyoming big sagebrush > sandberg bluegrass = western juniper > other dominant grasses > forbs > antelope bitterbrush				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	2-7% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 600, Normal: 500, Unfavorable: 300 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	LOAMY 10-12 PZ							
Site Number	010XA018OR							
Plant Association	PSSP6/PUTR2/JUOC							
Normal Lbs./Ac.	900							
Range of composition and weight of species in HCPC with normal production:					% Comp. by Wt.		Lbs./Acre	
Common Name	Scientific Name	Symbol	Group	Low	High	Low	High	
Grasses & Grass-like Plants				76%	70%	486	855	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	30	45	270	405	
Idaho fescue	Festuca idahoensis	FEID	1	15	30	135	270	
Sandberg bluegrass	Poa secunda	POSE	4	5	10	45	90	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	18	45	
Ross' sedge	Carex rossii	CARO5	2	1	2	9	18	
Other Perennial Grasses	N/A	PPGG	5	1	3	9	27	
Cusick's bluegrass	Poa cusickii	POCU3				0	0	
thickspike wheatgrass	Elymus macrourus	ELMA7				0	0	
prairie Junegrass	Koeleria macrantha	KOMA				0	0	
basin wildrye	Leymus cinereus	LECI4				0	0	
						0	0	
						0	0	
Forbs				1%	3%	9	36	
Other Perennial Forbs	N/A	PPFF	9	1	4	9	36	
phacelia	Phacelia	PHACE				0	0	
agoseris	Agoseris	AGOSE				0	0	
woollypod milkvetch	Astragalus purshii	ASPU9				0	0	
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0	
pussytoes	Antennaria	ANTEN				0	0	
fleabane	Erigeron	ERIGE2				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
lupine	Lupinus	LUPIN				0	0	
spreading phlox	Phlox diffusa	PHDI3				0	0	
salsify	Tragopogon porrifolius	TRPO				0	0	
Palouse milkvetch	Astragalus arrectus	ASAR7				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
Idaho milkvetch	Astragalus conjunctus	ASCO11				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs				15%	20%	99	243	
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	15	45	135	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	11	5	10	45	90	
Other Shrubs	N/A	SSSS	15	1	2	9	18	
desert gooseberry	Ribes velutinum	RIVE				0	0	
spineless horsebrush	Tetradymia canescens	TECA2				0	0	
wax currant	Ribes cereum	RICE				0	0	
granite prickly phlox	Leptodactylon pungens	LEPU				0	0	
shrubby buckwheat	Eriogonum microthecum	ERMI4				0	0	
snow buckwheat	Eriogonum niveum	ERNI2				0	0	
						0	0	
Trees				7%	7%	45	90	
western juniper	Juniperus occidentalis	JUOC	16	5	10	45	90	
						0	0	
						0	0	
Totals				100%	100%	639	1224	

Site Name LOAMY 10-12 PZ					
Site Number 010XA018OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.08	0.13	0.18
	High	0.05	0.15	0.24	0.34
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, Slight wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Significantly resistant to erosion: aggregate stability = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained loams and cobbly loams: moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (75-85%) and level to gently rolling slopes (0-20%) limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > sandberg bluegrass = basin big sagebrush > antelope bitterbrush = western juniper > other dominant grasses > other forbs > other grasses > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	7-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1100, Normal: 900, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name DROUGHTY 8-12 PZ					
Site Number 010XA019OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.05	0.09	0.12
	High	0.03	0.09	0.15	0.20
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained, sandy loams and very gravelly loams: low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (45-60%) and moderate slopes (to 20%) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > sandberg bluegrass > Antelope bitterbrush = basin big sagebrush > other forbs > shrubby buckwheat = western juniper > other dominant grasses > common yarrow > other dominant forbs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	7-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 800, Normal: 600, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name SHALLOW PUMICE HILLS 10-12 PZ					
Site Number 010XA021OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.07	0.12	0.17
	High	0.04	0.12	0.19	0.27
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, Severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately to slightly resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow or moderately deep, well drained, sandy loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (65-80%) and moderate slopes (to 20%) effectively limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > mountain big sagebrush = western juniper > thurbers needlegrass > prairie junegrass + other forbs > other dominant grasses > granite prickly phlox > other dominant shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name LAVA BLISTERS 8-10 PZ					
Site Number 010XA022OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.05	0.08	0.11
	High	0.03	0.09	0.14	0.20
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	15-30%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately to slightly resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow and very shallow, well drained, sandy loams dominated by volcanic ash: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate to slight ground cover (30-40%) and slight to severe slopes (0-15% with some as high as 60% on sides of blisters) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue = basin big sagebrush = thurber needlegrass = sandberg bluegrass > other dominant shrubs = western juniper > other dominant grasses > forbs > other grasses > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	5-10% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 800, Normal: 600, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name LAVA BLISTERS 10-12 PZ					
Site Number 010XA023OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.05	0.09	0.12
	High	0.04	0.11	0.18	0.26
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, Severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately to slightly resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow and very shallow, well drained, sandy loams and stony loamy sands dominated by volcanic ash: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (40-50%) and slight to severe slopes (0-15% with some as high as 60% on sides of blisters) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue = sandberg bluegrass > mountain big sagebrush = antelope bitterbrush = western juniper = thurber needlegrass > other dominant grasses = other dominant shrubs > other grasses > forbs > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	5-10% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 900, Normal: 700, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name SHALLOW NORTH 10-12 PZ					
Site Number 010XA025OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.08	0.13	0.19
	High	0.04	0.12	0.20	0.28
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	None to some in interspaces				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately to significantly resistant to erosion: aggregate stability = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, skeletal, well drained loams: moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (60-75%) and moderate to steep slopes (5-50%) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass >= idaho fescue > mountain big sagebrush > sandberg bluegrass = western juniper > forbs > other dominant shrubs > other dominant grasses				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	12-25% (< 1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		PUMICE NORTH 10-12 PZ				
Site Number		010XA026OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.03	0.09	0.15	0.20
		High	0.05	0.16	0.26	0.37
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Slight to severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained gravelly loamy sands (volcanic ash): low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-85%) and moderate to steep slopes (20-65%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue >					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	12-25% (< 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1100, Normal: 900, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		PUMICE FLAT 8-10 PZ				
Site Number		010XA027OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.06	0.10	0.14
		High	0.04	0.11	0.18	0.25
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	20-30%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly to moderately resistant to erosion: aggregate stability = 2-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep and deep, well drained, sandy loams formed in pumice: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (60-70%) and moderate slopes (0-10%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Needle and thread > idaho fescue > other dominant grasses > western juniper > mountain big saagebrush = basin big sagebrush > forbs > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-25% (< 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name SANDY NORTH 10-12 PZ					
Site Number 010XA083OR					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.16	0.23
	High	0.06	0.19	0.31	0.44
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, Slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Rarely some on steeper slopes				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, Slight to severe wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep and deep, well drained, loam, sandy loam, and fine sandy loams: low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-85%) and moderate to steep slopes (15-50%) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > antelope bitterbrush > bluebunch wheatgrass = sandberg bluegrass > other dominant grasses > western juniper > forbs > mountain big sagebrush > other dominant shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-25% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1400, Normal: 1200, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				