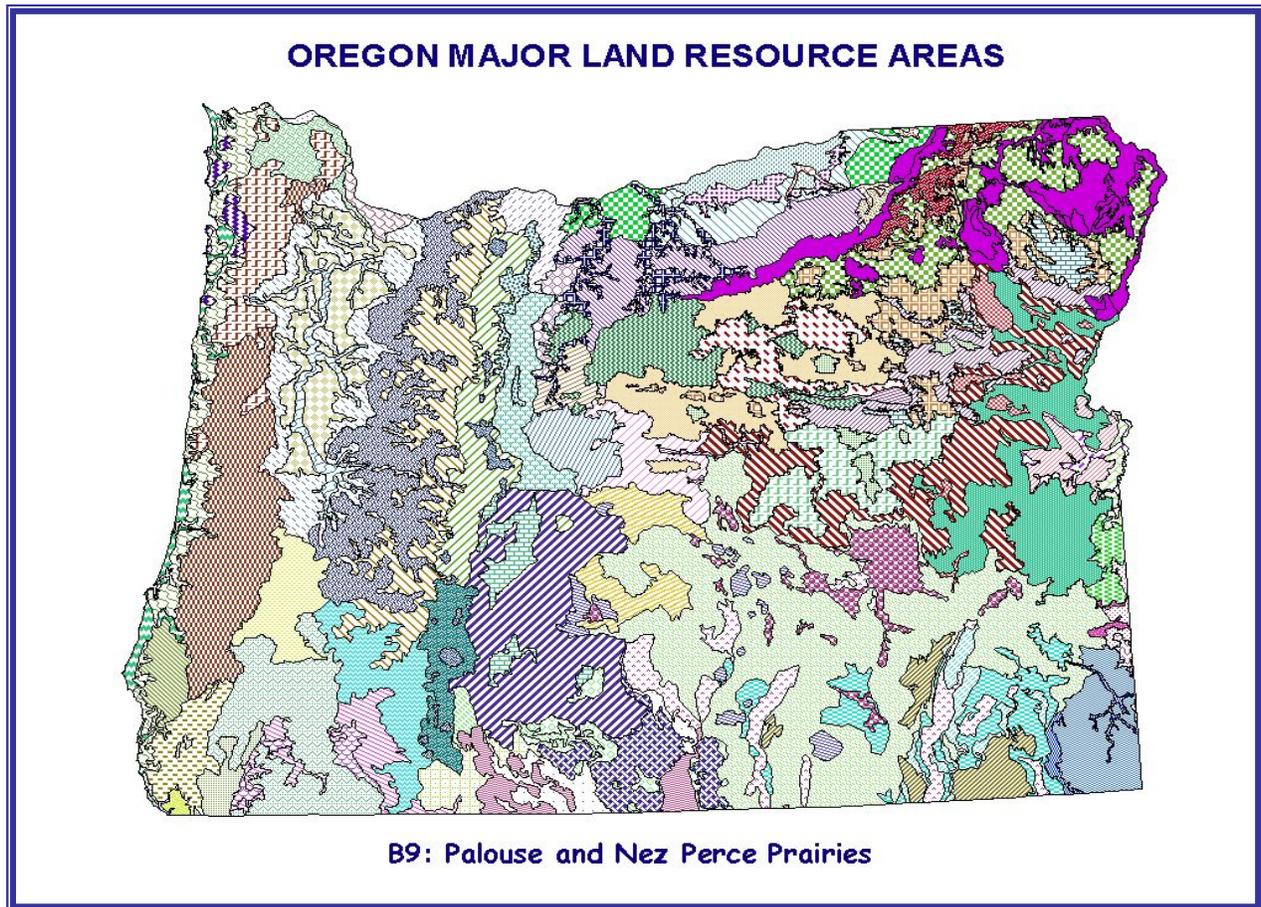


MLRA B9 Palouse and Nez Perce Prairies

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



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
009XY003OR	FAN 10-15 PZ	PSSP6-SPCR/CELE3	Mesic	1600	1300	1000	PSSP6 (60) SPCR (8) CELE3 (15)
009XY004OR	FAN 14-17 PZ	LECI4-PSSP6	Mesic	4000	3000	2000	LECI4 (60) FEID (10) PSSP6 (25)
009XY005OR	MOUNTAIN SWALE 13-17 PZ	LECI4-PSSP6-FEID	Frigid	3000	2500	2000	LECI4 (60) PSSP6 (5) FEID (25)
009XY006OR	MOUNTAIN CLAYEY SWALE 13-17 PZ	FEID-LECI4-PSSP6	Frigid	2000	1600	1400	FEID (60) KOMA (5) PSSP6 (10) LECI4 (10)
009XY007OR	MOUNTAIN SWALE 17-24 PZ	DACA3-JUNCU-CAREX	Frigid	1500	1200	800	DACA3 (30) DAIN (5) ELEOC (5) POA (8) CAREX (10) JUNCUS (15)
009XY008OR	WET MOUNTAIN SWALE 17-24 PZ	DECA18-CAREX	Frigid	2500	2000	1500	ELEOC (5) JUNCUS (8) CAREX (15) DECA18 (70)
009XY010OR	LOAMY 14-17 PZ	FEID-PSSP6	Mesic	2000	1600	1100	FEID (75) PSSP6 (45)
009XY013OR	LOAMY 17-22 PZ	FEID-PSSP6	Mesic	2500	2000	1500	FEID (75) PSSP6 (15)
009XY014OR	DEEP LOAM 17-22 PZ	FEID-PSSP6/CRATA	Mesic	3500	2500	1800	FEID (50) CRATA (5) PRVI (5) PSSP6 (30)
009XY015OR	CLAYEY 14-17 PZ	FEID-PSSP6-POSE	Mesic	1200	700	400	FEID (70) PSSP6 (15)
009XY016OR	CLAYEY 17-22 PZ	FEID-PSSP6-POSE	Mesic	1700	1300	1000	FEID (75) PSSP6 (15)
009XY017OR	MOUNTAIN LOAMY 13-17 PZ	FEID-PSSP6-KOMA	Frigid	1600	1200	900	FEID (65) PSSP6 (25)
009XY018OR	MOUNTAIN LOAMY 17-24 PZ	FEID-PSSP6-KOMA	Frigid	2300	1800	1400	PSSP6 (10) FEID (75)
009XY020OR	SHALLOW CLAYEY 14-17 PZ	FEID-PSSP6-POSE	Mesic	900	500	300	FEID (65) PSSP6 (30)
009XY021OR	SHALLOW CLAYEY 17-22 PZ	FEID-PSSP6-POSE	Mesic	1100	800	400	FEID (65) POSE (5) PSSP6 (30)
009XY022OR	MOUNTAIN SHALLOW 13+ PZ	FEID-PSSP6-KOMA	Frigid	1300	900	500	FEID (70) PSSP6 (25)
009XY025OR	VERY SHALLOW 14-18 PZ	POSE-PSSP6-DAUN/ARRI2	Mesic	600	400	200	POSE (45) BASE2 (5) DAUN (5) LOMAT SP. (5) ELEL5 (5) ARRI2 (8) PSSP6 (20)
009XY027OR	MOUNTAIN VERY SHALLOW 13+ PZ	PSSP6-POSE-DAUN	Frigid	600	400	200	PSSP6 (45) FEID (5) DAUN (10) POSE (25)

Site Number	Name	HCPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
009XY029OR	SOUTH 14-17 PZ	PSSP6/BASA3	Mesic	1800	1400	1100	POSE (3) BASA3 (5) FEID (8) PSSP6 (70)
009XY030OR	SOUTH 17-22 PZ	PSSP6/BASA3	Mesic	2200	1800	1400	PSSP6 (80) BASA3 (5) FEID (8)
009XY031OR	SHALLOW SOUTH 14+ PZ	PSSP6-FEID-POSE	Mesic	1200	700	400	PSSP6 (75) BASA3 (5) POSE (5) FEID (10)
009XY034OR	MOUNTAIN SOUTH 13-17 PZ	PSSP6-FEID/LUPIN	Frigid	1300	1000	800	PSSP6 (65) FEID (30)
009XY035OR	MOUNTAIN SOUTH 17-24 PZ	PSSP6-FEID/POTEN	Frigid	1800	1400	1000	PSSP6 (65) FEID (30)
009XY036OR	MOUNTAIN SHALLOW SOUTH 13+ PZ	PSSP6-FEID/BASA3	Frigid	1000	700	400	PSSP6 (70) ERIOG (5) BASA3 (5) FEID (20)
009XY040OR	NORTH 14-17 PZ	FEID-PSSP6	Frigid	2200	1700	1200	FEID (75) PSSP6 (10)
009XY041OR	DEEP NORTH 14-17 PZ	FEID-PSSP6/SYAL-PRVI	Mesic/Frigid	2500	2000	1500	FEID (60) ROSA (3) PHMA5 (5) AMAL2 (5) PRVI (6) SYAL (10) PSSP6 (10)
009XY042OR	LOW ELEVATION NORTH 14-17 PZ	FEID-PSSP6/SYAL	Mesic	2000	1600	1200	FEID (50) PSSP6 (40)
009XY043OR	LOW ELEVATION DEEP NORTH 14-17 PZ	FEID-PSSP6/SYAL-ROSA	Mesic	2300	1800	1300	FEID (40) ROSA (5) SYAL (15) PSSP6 (30)
009XY045OR	NORTH 17-24 PZ	FEID-PSSP6/SYAL-ROSA	Mesic/Frigid	2500	2000	1000	FEID (45) PHMA5 (5) AMAL2 (5) ROSA (10) PSSP6 (10) SYAL (15)
009XY046OR	SHRUBBY MOIST NORTH 15+ PZ	CRATA-PHMA5	Mesic/Frigid	3500	3000	2000	CRATA (60) FEID (5) SYAL (8) AMALA (8) PHMA5 (15)
009XY048OR	SHALLOW NORTH 14+ PZ	FEID-PSSP6-POSE	Mesic/Frigid	1500	1000	700	POSE (5) PSSP6 (25) FEID (55)
009XY050OR	LOAMY BENCH 10-15 PZ	PSSP6-SPCR	Mesic	1200	1000	800	PSSP6 (80) SPCR (15)
009XY051OR	LOAMY SOUTH 10-15 PZ	PSSP6-SPCR	Mesic	1000	800	600	PSSP6 (85) SPCR (10)
009XY052OR	LOAMY SHALLOW SOUTH 10-15 PZ	PSSP6-SPCR	Mesic	800	600	400	PSSP6 (90) SPCR (10)
009XY053OR	VERY SHALLOW SOUTH 10-15 PZ	PSSP6/ERIOG	Mesic	400	200	100	ERIOG (50) SPCR (5) PSSP6 (30)
009XY054OR	LOAMY NORTH 10-15 PZ	FEID-PSSP6	Mesic	1200	1000	800	FEID (60) PSSP6 (30)

Site Number	Name	HPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
009XY055OR	SHALLOW NORTH 10-15 PZ	PSSP6-FEID	Mesic	800	600	400	PSSP6 (70) FEID (20)
009XY060OR	SHRUBBY NORTH 15+ PZ	PHMA5-SYAL	Frigid	3000	2500	2000	PHMA5 (60) FEID (5) ROSA (10) AMALA (10) SYAL (15)
009XY070OR	HIGH RIDGE 30+ PZ	FEID-CAREX-JUNCU	Cryic	1500	1000	700	FEID (50) POA (5) JUNCUS (10) CAREX (20)
009XY075OR	SUBALPINE SLOPES	FEVI-ACOC3/LUPIN	Cryic	1300	900	600	FEVI (70) CAREX (5) LUPIN SP. (5) ACOC3 (10)

Site Name		FAN 10-15 PZ						
Site Number		009XY003OR						
Plant Association		PSSP6-SPCR/CELE3						
Normal Lbs./Ac.		1300						
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				77%	66%	884	1235	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	60	70	780	910	
sand dropseed	Sporobolus cryptandrus	SPCR	2	5	10	65	130	
Other Perennial Grasses	N/A	PPGG	5	3	15	39	195	
Sandberg bluegrass	Poa secunda	POSE				0	0	
purple threeawn	Aristida purpurea	ARPU9				0	0	
needle and thread	Hesperostipa comata	HECO26				0	0	
prairie Junegrass	Koeleria macrantha	KOMA				0	0	
basin wildrye	Leymus cinereus	LECI4				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Forbs				6%	11%	65	208	
lomatium (gen.)	Lomatium	LOMAT	7	2	5	26	65	
lupine	Lupinus	LUPIN	8	1	3	13	39	
plains pricklypear	Opuntia polyacantha	OPPO	8	1	3	13	39	
Other Perennial Forbs	N/A	PPFF	9	1	5	13	65	
shaggy fleabane	Erigeron pumilus	ERPU2				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
hairy false goldenaster	Heterotheca villosa	HEVI4				0	0	
narrowleaf skullcap	Scutellaria angustifolia	SCAN3				0	0	
phlox	Phlox	PHLOX				0	0	
beardtongue	Penstemon	PENST				0	0	
hawkweed	Hieracium	HIERA				0	0	
aster (Eucep.)	Eucephalus	EUCEP2				0	0	
agoseris	Agoseris	AGOSE				0	0	
phacelia	Phacelia	PHACE				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs				17%	23%	195	429	
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3	11	10	20	130	260	
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	12	2	5	26	65	
Other Shrubs	N/A	SSSS	15	3	8	39	104	
smooth sumac	Rhus glabra	RHGL				0	0	
western poison ivy	Toxicodendron rydbergii	TORY				0	0	
leather flower	Clematis	CLEMA				0	0	
buckthorn (Rham.)	Rhamnus	RHAMN				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Trees				0%	0%	0	0	
						0	0	
						0	0	
						0	0	
Totals				100%	100%	1144	1872	

Site Name		FAN 10-15 PZ				
Site Number		009XY003OR				
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	0.05	0.14	0.23	0.32	
	High	0.07	0.22	0.37	0.52	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	Occasional to rare flooding with seasonal high water table.					
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]	Poor resistance to erosion when cover is lacking - subject to incision and downcutting.					
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]	Moderately resistant to erosion with adequate cover: aggregate stability = 3-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep silt loam or gravelly silt loam with variable stoniness: low OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and moderate slopes (3-30%) 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]	Bluebunch wheatgrass > hackberry > sand dropseed > other perennial grasses > other shrubs > saskatoon serviceberry = lomatium > other forbs > lupine = plains pricklypear					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-15% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1600, Normal: 1300, Unfavorable: 1000 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. 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		FAN 14-17 PZ				
Site Number		009XY004OR				
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	0.10	0.31	0.52	0.73
		High	0.18	0.53	0.88	1.23
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	Occasional flooding with seasonal high water table.					
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]	Poor resistance to erosion when cover is lacking - subject to incision and downcutting.					
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]	Moderately resistant to erosion with adequate cover: aggregate stability = 3-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep silt loam or gravelly silt loam with variable stoniness: low OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and moderate slopes (0-15%) 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]	Basin wildrye > bluebunch wheatgrass > idaho fescue > other perennial grasses > shrubs > 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]	10-15% (0.5 - 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 4000, Normal: 3000, Unfavorable: 2000 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. 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	MOUNTAIN SWALE 13-17 PZ							
Site Number	009XY005OR							
Plant Association	LECI4-PSSP6-FEID							
Normal Lbs./Ac.	2500							
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					93%	86%	1900	2950
basin wildrye	Leymus cinereus	LECI4	1	50	70	1250	1750	
Idaho fescue	Festuca idahoensis	FEID	2	20	30	500	750	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	2	5	50	125	
sedge	Carex	CAREX	2	1	2	25	50	
bluegrass	Poa	POA	4	1	3	25	75	
Other Perennial Grasses	N/A	PPGG	5	2	8	50	200	
Sandberg bluegrass	Poa secunda	POSE				0	0	
prairie Junegrass	Koeleria macrantha	KOMA				0	0	
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0	
						0	0	
						0	0	
						0	0	
Forbs					4%	7%	75	225
buckwheat (Eriog.)	Eriogonum	ERIOG	7	1	2	25	50	
lupine	Lupinus	LUPIN	7	1	2	25	50	
Other Perennial Forbs	N/A	PPFF	9	1	5	25	125	
fleabane	Erigeron	ERIGE2				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
phlox	Phlox	PHLOX				0	0	
milkvetch	Astragalus	ASTRA				0	0	
cinquefoil	Potentilla	POTEN				0	0	
buttercup	Ranunculus	RANUN				0	0	
bluebells	Mertensia	MERTE				0	0	
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
Tilesius' wormwood	Artemisia tilesii	ARTI				0	0	
western stoneseed	Lithospermum ruderales	LIRU4				0	0	
deathcamas	Zigadenus	ZIGAD				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs					4%	8%	75	275
rose	Rosa	ROSA5	13	1	3	25	75	
Other Shrubs	N/A	SSSS	15	2	8	50	200	
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0	
wax currant	Ribes cereum	RICE				0	0	
common snowberry	Symphoricarpos albus	SYAL				0	0	
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Trees					0%	0%	0	0
						0	0	
						0	0	
						0	0	
Totals					100%	100%	2050	3450

Site Name		MOUNTAIN SWALE 13-17 PZ				
Site Number		009XY005OR				
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	0.08	0.24	0.41	0.57
		High	0.14	0.41	0.68	0.96
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	Frequent flooding with seasonal high water table.					
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]	Poor resistance to erosion when cover is lacking - subject to incision and downcutting.					
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]	Moderately resistant to erosion with adequate cover: aggregate stability = 3-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep recent alluvium with a thick (10-30") silt loam surface: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and gentle slopes (0-15%) 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]	Basin wildrye > idaho fescue > other shrubs = other perennial grasses > bluebunch wheatgrass > other forbs > sedges = bluegrasses = rose > buckwheat = lupine					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-15% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 3000, Normal: 2500, Unfavorable: 2000 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bluegrasses 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		MOUNTAIN CLAYEY SWALE 13-17 PZ				
Site Number		009XY006OR				
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	0.05	0.14	0.23	0.32	
	High	0.09	0.26	0.43	0.60	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	Frequent flooding with seasonal high water table.					
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]	Poor resistance to erosion when cover is lacking - subject to incision and downcutting.					
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]	Moderately resistant to erosion with adequate cover: aggregate stability = 3-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep alluvium with a silty clay loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and gentle slopes (0-3 - up to 15%) 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 > basin wildrye = bluebunch wheatgrass > other perennial grasses > prairie junegrass > other forbs > cinquefoil > arnica > rose					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-15% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, Normal: 1600, Unfavorable: 1400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bluegrasses 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	MOUNTAIN SWALE 17-24 PZ							
Site Number	009XY007OR							
Plant Association	DACA3-JUNCU-CAREX							
Normal Lbs./Ac.	1200							
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				97%	93%	876	1560	
California oatgrass	Danthonia californica	DACA3	3	25	40	300	480	
Colorado rush	Juncus confusus	JUCO2	2	3	5	36	60	
Baltic rush	Juncus balticus	JUBA	2	3	5	36	60	
common rush	Juncus effusus	JUEF	2	3	5	36	60	
swordleaf rush	Juncus ensifolius	JUEN	2	3	5	36	60	
toad rush	Juncus bufonius	JUBU	2	3	5	36	60	
poverty rush	Juncus tenuis	JUTE	2	3	5	36	60	
sedge	Carex	CAREX	2	5	8	60	96	
smallwing sedge	Carex microptera	CAMI7	2	5	8	60	96	
Sandberg bluegrass	Poa secunda	POSE	4	5	10	60	120	
timber oatgrass	Danthonia intermedia	DAIN	4	3	8	36	96	
fewflower spikerush	Eleocharis quinqueflora	ELQU2	2	3	4	36	48	
Bolander's spikerush	Eleocharis bolanderi	ELBO	2	3	4	36	48	
Other Perennial Grasses	N/A	PPGG	5	6	18	72	216	
tufted hairgrass	Deschampsia caespitosa	DECA18				0	0	
pullup muhly	Muhlenbergia filiformis	MUFI2				0	0	
red fescue	Festuca rubra	FERU2				0	0	
bearded wheatgrass	Elymus caninus	ELCA11				0	0	
blue wildrye	Elymus glaucus	ELGL				0	0	
onespike danthonia	Danthonia unispicata	DAUN				0	0	
western fescue	Festuca occidentalis	FEOC				0	0	
prairie Junegrass	Koeleria macrantha	KOMA				0	0	
tall trisetum	Trisetum canescens	TRCA21				0	0	
bentgrass	Agrostis	AGROS2				0	0	
western needlegrass	Achnatherum occidentale	ACOC3				0	0	
Letterman's needlegrass	Achnatherum lettermanii	ACLE9				0	0	
pinegrass	Calamagrostis rubescens	CARU				0	0	
Forbs				3%	7%	24	120	
Other Perennial Forbs	N/A	PPFF	9	2	10	24	120	
cinquefoil	Potentilla	POTEN				0	0	
groundsel	Senecio	SENEC				0	0	
aster (Eucep.)	Eucephalus	EUCEP2				0	0	
lupine	Lupinus	LUPIN				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
yampah	Perideridia	PERID				0	0	
larkspur	Delphinium	DELPH				0	0	
twin arnica	Arnica sororia	ARSO2				0	0	
agoseris	Agoseris	AGOSE				0	0	
camas	Camassia	CAMAS				0	0	
beardtongue	Penstemon	PENST				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
						0	0	
						0	0	
						0	0	
Shrubs				0%	0%	0	0	
						0	0	
Trees				0%	0%	0	0	
						0	0	
Totals				100%	100%	900	1680	

Site Name		MOUNTAIN SWALE 17-24 PZ				
Site Number		009XY007OR				
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	0.04	0.11	0.18	0.25	
	High	0.07	0.20	0.33	0.47	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	Frequent flooding with seasonal high water table.					
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]	10-15%					
5. Number of gullies and erosion associated with gullies [1.0]	Poor resistance to erosion when cover is lacking - subject to incision and downcutting.					
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]	Moderately resistant to erosion with adequate cover: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, somewhat poorly drained alluvium with a stony silt loam surface: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and gentle slopes (0-15%) 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]	California oatgrass > rushes > other perennial grasses > sedges > sandberg bluegrass > forbs > timber oatgrass = spikerush					
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: 1500, Normal: 1200, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bluegrasses 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		WET MOUNTAIN SWALE 17-24 PZ				
Site Number		009XY008OR				
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	0.07	0.21	0.35	0.49
		High	0.12	0.35	0.58	0.81
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	Very frequent flooding with seasonal high water table.					
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]	0-5%					
5. Number of gullies and erosion associated with gullies [1.0]	Poor resistance to erosion when cover is lacking - subject to incision and downcutting.					
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]	Moderately resistant to erosion with adequate cover: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep alluvium with a silt loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-110%) and gentle slopes (2-15%) 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]	Tufted hairgrass > sedges > rushes > other perennial grasses > spikerushes > 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]	10-15% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2500, Normal: 2000, Unfavorable: 1500 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bluegrasses and meadow foxtail 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 14-17 PZ				
Site Number		009XY010OR				
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	0.05	0.16	0.27	0.37
		High	0.07	0.21	0.35	0.49
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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]	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]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained, with a silt loam or loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (75-80%) and gentle slopes (0-12% sometimes 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 > Bluebunch wheatgrass > other forbs > common yarrow > sandberg bluegrass = prairie junegrass					
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: 2000, Normal: 1600, Unfavorable: 1100 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, annual fescues, 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 17-22 PZ				
Site Number		009XY013OR				
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	0.07	0.21	0.35	0.49
		High	0.10	0.30	0.49	0.69
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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]	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]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained, with a silt loam or very cobbly loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and gentle slopes (0-12%) 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 > Bluebunch wheatgrass > other forbs > buckwheat = cinquefoil > sandberg bluegrass = prairie junegrass = rose = common snowberry = hawthorn					
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: 2500, Normal: 2000, Unfavorable: 1500 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. 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		DEEP LOAM 17-22 PZ				
Site Number		009XT014OR				
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	0.07	0.22	0.37	0.51
		High	0.15	0.46	0.77	1.07
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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]	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]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep, moderately well drained, with a silt loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and gentle slopes (0-12%) 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 > bluebunch wheatgrass > hawthorn = chokecherry > other forbs > other shrubs > dominant shrubs > dominant forbs > 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]	10-15% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 3500, Normal: 2500, Unfavorable: 1800 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. Bluegrasses, cheatgrass, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Site is susceptible to fire with variable fuel loads.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		CLAYEY 14-17 PZ				
Site Number		009XY015OR				
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	0.16	
	High	0.03	0.10	0.16	0.23	
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 to some (<1.0")					
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, 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 = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep (with areas of rock outcrop), moderately well drained to well drained with silty clay loam to silt loam surfaces with up to 35% cobbles or stones: moderate OM (2-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (0-12% may be up to 20%) moderately limits 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 > bluebunch wheatgrass > other perennial grasses = dominant forbs > other forbs > western juniper					
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: 1200, Normal: 700, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Annual bromes and Medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		CLAYEY 17-22 PZ				
Site Number		009XY016OR				
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	0.05	0.14	0.23	0.32	
	High	0.06	0.19	0.32	0.45	
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 to some (<1.0")					
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 = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep (with areas of rock outcrop), moderately well drained to well drained with silty clay loam to silt loam surfaces with up to 35% cobbles or stones: moderate OM (2-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (70-80%) and gentle slopes (0-12%) moderately limits 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 > bluebunch wheatgrass > other perennial grasses = dominant forbs > other forbs > 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: 1200, Normal: 700, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Bluegrasses, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		MOUNTAIN LOAMY 13-17 PZ				
Site Number		009XY017OR				
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	0.04	0.12	0.20	0.28
		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 to some, 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]	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]	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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep and moderately deep, well drained with a silt loam or loam surface. Depth to basalt bedrock is typically less than 30 inches: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (0-20%) 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]	Idaho fescue > bluebunch wheatgrass > forbs > other 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: 1600, Normal: 1200, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Forb species will increase with deterioration of plant community. Bluegrasses, 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		MOUNTAIN LOAMY 17-24 PZ				
Site Number		009XY018OR				
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	0.06	0.18	0.30	0.41
		High	0.09	0.26	0.43	0.60
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, 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]	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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep and moderately deep, well drained with a loam, gravelly loam, or very cobbly silt loam surface. Coarse fragments range to greater than 35% throughout some soils: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and gentle slopes (0-20%) 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 > bluebunch wheatgrass > forbs > shrubs > other 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: 2300, Normal: 1800, Unfavorable: 1400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Forb species will increase with deterioration of plant community. Bluegrasses, 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 CLAYEY 14-17 PZ				
Site Number		009XY0200R				
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	0.03	0.10	0.17	0.24	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, slight to moderate 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 to some					
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, 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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained with areas of rock outcrop and with a very stony or very cobbly slity clay loam surface: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse to moderate ground cover (50-60%) and gentle slopes (0-12%) 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 > bluebunch wheatgrass > forbs > other grasses > 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]	1-5% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 900, Normal: 500, Unfavorable: 300 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial forb species will increase with deterioration of plant community. Annual bromes, annual fescues, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		SHALLOW CLAYEY 17-22 PZ					
Site Number		009XY021OR					
Plant Association		FEID-PSSP6-POSE					
Normal Lbs./Ac.		800					
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				91%	83%	632	1000
Idaho fescue	Festuca idahoensis	FEID	1	55	75	440	600
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	20	40	160	320
Sandberg bluegrass	Poa secunda	POSE	4	2	5	16	40
prairie Junegrass	Koeleria macrantha	KOMA	4	1	3	8	24
onespike danthonia	Danthonia unispicata	DAUN	4	1	2	8	16
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Forbs				7%	14%	48	168
common yarrow	Achillea millefolium	ACMI2	7	1	3	8	24
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3	7	1	3	8	24
lupine	Lupinus	LUPIN	7	1	3	8	24
lomatium (gen.)	Lomatium	LOMAT	8	1	2	8	16
buckwheat (Eriog.)	Eriogonum	ERIOG	8	1	2	8	16
Other Perennial Forbs	N/A	PPFF	9	1	8	8	64
fleabane	Erigeron	ERIGE2				0	0
agoseris	Agoseris	AGOSE				0	0
hawksbeard	Crepis	CREPI				0	0
mule-ears	Wyethia amplexicaulis	WYAM				0	0
beardtongue	Penstemon	PENST				0	0
cinquefoil	Potentilla	POTEN				0	0
milkvetch	Astragalus	ASTRA				0	0
brodiaea	Brodiaea	BRODI				0	0
plumed clover	Trifolium plumosum	TRPL2				0	0
phlox	Phlox	PHLOX				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
Scouler's woollyweed	Hieracium scouleri	HISC2				0	0
stonecrop (Sedum)	Sedum	SEDUM				0	0
						0	0
Shrubs				2%	3%	16	32
common snowberry	Symphoricarpos albus	SYAL	13	1	2	8	16
rose	Rosa	ROSA5	13	1	2	8	16
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				0%	0%	0	0
						0	0
						0	0
						0	0
Totals				100%	100%	696	1200

Site Name		SHALLOW CLAYEY 17-22 PZ				
Site Number		009XY021OR				
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	0.19	
	High	0.05	0.14	0.24	0.33	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, slight to moderate 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 to some					
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, 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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained with areas of rock outcrop and with a very stony or very cobbly slity clay loam surface: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse to moderate ground cover (50-60%) and gentle slopes (0-12%) 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 > bluebunch wheatgrass > forbs > other grasses > 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]	1-5% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1100, Normal: 800, Unfavorable:400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial forb species will increase with deterioration of plant community. Bluegrasses, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		MOUNTAIN SHALLOW 13+ PZ				
Site Number		009XY022OR				
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	0.14	0.24	0.33
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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 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]	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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained with areas of rock outcrop and with a very stony or cobbly clay loam, loam, or silt loam ranging from to an extremely stony loam, silt loam, or clay loam surface: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse to moderate ground cover (50-60%) and gentle slopes (0-15%) 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 > bluebunch wheatgrass > forbs > other 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]	1-5% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1300, Normal: 900, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial forb species and sandberg bluegrass will increase with deterioration of plant community. Bulbous bluegrass, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		VERY SHALLOW 14+ PZ				
Site Number		009XY025OR				
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	0.03	0.06	0.08	
	High	0.02	0.07	0.12	0.16	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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 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]	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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained with areas of rock outcrop and with an extremely stony loam or a very stony silty clay loam surface: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse ground cover (30-40%) and gentle slopes (2-20%) 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]	Sandberg bluegrass > bluebunch wheatgrass > scabland sage > bottlebrush squirreltail > onespice danthonia > forbs > other 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]	1-5% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 600, Normal: 400, Unfavorable: 200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Sandberg bluegrass and scabland sagebrush will increase with deterioration of plant community. Bulbous bluegrass, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		MOUNTAIN VERY SHALLOW 13+ PZ				
Site Number		009XY027OR				
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	0.02	0.04	0.06	
	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 to few					
3. Number and height of erosional pedestals or terracettes [1.0]	None to few					
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, 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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained with areas of rock outcrop and with a very cobbly or extremely cobbly silt loam surface. Bedrock typically occurs at less than 10": moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse ground cover (30-40%) and gentle slopes (2-15%) 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 > onespike danthonia > idaho fescue > forbs > other grasses > 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]	1-5% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 600, Normal: 400, Unfavorable: 200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Sandberg bluegrass will increase with deterioration of plant community. Bulbous bluegrass, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name SOUTH 14-17 PZ					
Site Number 009XY029OR					
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	0.04	0.12	0.20	0.28
	High	0.07	0.21	0.35	0.50
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 to some				
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]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained, with areas of rock outcrop and with a very cobbly silt loam, silt loam, or silty clay loam surface. Depth to bedrock is typically less than 30": low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse to moderate ground cover (50-60%) and very steep slopes (7-90%) 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 > idaho fescue > arrowleaf balsamroot > other forbs > antelope bitterbrush = sandberg bluegrass > other dominant 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: 1800, Normal: 1400, Unfavorable: 1100 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, annual bromes and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name SOUTH 17-22 PZ					
Site Number 009XY0300R					
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	0.06	0.18	0.30	0.41
	High	0.09	0.28	0.47	0.65
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 to some				
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]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained, with areas of rock outcrop and talus and with a very cobbly silty clay loam, or extremely stony silty clay loam surface. Depth to bedrock is typically less than 30": low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and very steep slopes (12-90%) 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 > idaho fescue > arrowleaf balsamroot > dominant shrubs > antelope bitterbrush > other forbs > sandberg bluegrass > other dominant 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: 2200, Normal: 1800, Unfavorable: 1400 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, annual bromes and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		SHALLOW SOUTH 14+ PZ				
Site Number		009XY031OR				
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	0.11	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 to some					
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, 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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained with areas of rock outcrop and talus and with a very cobbly or cobbly silt loam, or extremely stony silty clay loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse ground cover (30-40%) and very steep slopes (12-90%) only 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 > idaho fescue > dominant forbs > other grasses > other forbs > 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: 1200, Normal: 700, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, annual bromes and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		MOUNTAIN SOUTH 13-17 PZ				
Site Number		009XY034OR				
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	0.21	
	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 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 to some					
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]	Moderately to significantly resistant to erosion: aggregate stability = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained, with areas of rock outcrop and talus and with a very cobbly silt loam to a very stony clay loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate to significant ground cover (60-80%) and very steep slopes (12-90%) 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 > dominant forbs > other forbs > other grasses > 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]	10-15% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1300, Normal: 1000, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bulbous bluegrass, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		MOUNTAIN SOUTH 17-24 PZ				
Site Number		009XY035OR				
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	0.04	0.13	0.22	0.30
		High	0.08	0.24	0.40	0.55
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 to some					
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]	Moderately to significantly resistant to erosion: aggregate stability = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained, with areas of rock outcrop and talus and with a very cobbly silt loam to a very stony clay loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and steep slopes (12-60%) moderately to 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]	Bluebunch wheatgrass > idaho fescue > dominant forbs > other forbs > other grasses = 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]	10-15% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1800, Normal: 1400, Unfavorable: 1000 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bluegrasses, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		MOUNTAIN SHALLOW SOUTH 13+ PZ				
Site Number		009XY036OR				
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	0.04	0.12	0.20	0.28	
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 to some					
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, 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]	Moderately to significantly resistant to erosion: aggregate stability = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained, with areas of rock outcrop and talus and with a very stony or cobbly clay loam, loam, or silt loam ranging to an extremely stony loam, silt loam, or clay loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse to moderate ground cover (50-60%) and very steep slopes (12-90%) 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 > dominant forbs > sandberg bluegrass > other forbs > other 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]	5-10% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 700, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bulbous bluegrass, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		NORTH 14-17 PZ				
Site Number		009XY0400R				
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	0.06	0.17	0.28	0.39	
	High	0.08	0.24	0.40	0.56	
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%					
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]	Moderately to significantly resistant to erosion: aggregate stability = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained, with areas of rock outcrop and talus and with a very stony or cobbly loam, to clay loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and steep slopes (5-80%) 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 > bluebunch wheatgrass > forbs > other grasses > 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: 2200, Normal: 1700, Unfavorable: 1200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bulbous bluegrass, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		DEEP NORTH 14-17 PZ				
Site Number		009XY041OR				
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	0.06	0.17	0.28	0.39	
	High	0.11	0.34	0.57	0.79	
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%					
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]	Deep, well drained, with a silt loam surface - variable stoniness: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and steep slopes (15-60%) 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 > dominant shrubs > bluebunch wheatgrass > forbs > other shrubs > other 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]	15-30% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2500, Normal: 2000, Unfavorable: 1500 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	With deterioration of plant community, bluegrasses and annual bromes invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name LOW ELEVATION NORTH 14-17 PZ					
Site Number 009XY042OR					
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	0.05	0.15	0.24	0.34
	High	0.08	0.25	0.41	0.58
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 to some				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%				
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]	Moderately deep and deep, well drained, with areas of rock outcrop and talus and with a very stony silt loam or silt loam surface - depth to bedrock ranges from 24 to 36 and sometimes, 60 inches: low to moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-100%) and very steep slopes (7-90%) 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 > bluebunch wheatgrass > forbs > shrubs > other 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]	15-30% (0.5-1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, Normal: 1600, Unfavorable: 1200 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. Annual bromes and Medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name LOW ELEVATION DEEP NORTH 14-17 PZ					
Site Number 009XY043OR					
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	0.04	0.13	0.22	0.31
	High	0.10	0.30	0.50	0.70
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 to some				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%				
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]	Deep, well drained, with areas of rock outcrop and talus and with a very cobbly silt loam surface - depth to bedrock ranges from 40 to 60 inches: low to moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and very steep slopes (30-90%) 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 > bluebunch wheatgrass > forbs > shrubs > other 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]	15-25% (0.5-0.75")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 2300, Normal: 1800, Unfavorable: 1300 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. Annual bromes and Medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	NORTH 17-24 PZ							
Site Number	009XY045OR							
Plant Association	FEID-PSSP6/SYAL-ROSA							
Normal Lbs./Ac.	2000							
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					64%	48%	980	1480
Idaho fescue	Festuca idahoensis	FEID	1	40	50	800	1000	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	5	15	100	300	
prairie Junegrass	Koeleria macrantha	KOMA	4	2	5	40	100	
Other Perennial Grasses	N/A	PPGG	5	2	4	40	80	
bluegrass	Poa	POA				0	0	
sedge	Carex	CAREX				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Forbs					5%	7%	80	220
cinquefoil	Potentilla	POTEN	7	1	2	20	40	
lupine	Lupinus	LUPIN	7	1	2	20	40	
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3	7	1	2	20	40	
Other Perennial Forbs	N/A	PPFF	9	1	5	20	100	
prairiesmoke	Geum triflorum	GETR				0	0	
milkvetch	Astragalus	ASTRA				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
aster (Eucep.)	Eucephalus	EUCEP2				0	0	
groundsel	Senecio	SENEC				0	0	
beardtongue	Penstemon	PENST				0	0	
hawkweed	Hieracium	HIERA				0	0	
western stoneseed	Lithospermum ruderales	LIRU4				0	0	
green gentian	Frasera	FRASE				0	0	
kittentail	Besseyia	BESSE				0	0	
wild onion	Allium	ALLIU				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs					30%	43%	460	1320
common snowberry	Symphoricarpos albus	SYAL	13	10	20	200	400	
rose	Rosa	ROSA5	13	5	15	100	300	
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	2	8	40	160	
mallow ninebark	Physocarpus malvaceus	PHMA5	14	2	8	40	160	
spirea	Spiraea	SPIRA	14	2	5	40	100	
Other Shrubs	N/A	SSSS	15	2	10	40	200	
wax currant	Ribes cereum	RICE				0	0	
hawthorn	Crataegus	CRATA				0	0	
elderberry	Sambucus	SAMBU				0	0	
oceanspray (gen.)	Holodiscus	HOLOD				0	0	
						0	0	
Trees					1%	1%	20	40
ponderosa pine	Pinus ponderosa	PIPO	16	1	2	20	40	
						0	0	
Totals					100%	100%	1540	3060

Site Name		NORTH 17-24 PZ				
Site Number		009XY045OR				
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	0.06	0.18	0.30	0.43
		High	0.12	0.36	0.61	0.85
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%					
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]	Moderately deep to very deep, well drained, with a thick (10") silt loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and moderately steep slopes (15-60%) 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 > snowberry > bluebunch wheatgrass = rose > other shrubs > forbs > other grasses > trees					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	15-30% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2500, Normal: 2000, Unfavorable: 1000 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. Bluegrasses, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		SHRUBBY MOIST NORTH 15+ PZ					
Site Number		009XY046OR					
Plant Association		CRATA-PHMA5					
Normal Lbs./Ac.		3000					
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				9%	15%	270	750
Idaho fescue	Festuca idahoensis	FEID	1	5	10	150	300
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	2	5	60	150
Other Perennial Grasses	N/A	PPGG	5	2	10	60	300
prairie Junegrass	Koeleria macrantha	KOMA				0	0
blue wildrye	Elymus glaucus	ELGL				0	0
bluegrass	Poa	POA				0	0
sedge	Carex	CAREX				0	0
pinegrass	Calamagrostis rubescens	CARU				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				3%	5%	90	270
cinquefoil	Potentilla	POTEN	7	1	2	30	60
groundsel	Senecio	SENEC	7	1	2	30	60
Other Perennial Forbs	N/A	PPFF	9	1	5	30	150
prairiesmoke	Geum triflorum	GETR				0	0
milkvetch	Astragalus	ASTRA				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
lupine	Lupinus	LUPIN				0	0
bedstraw	Galium	GALIU				0	0
waterleaf	Hydrophyllum	HYDRO4				0	0
common cowparsnip	Heracleum maximum	HEMA80				0	0
miner's lettuce	Claytonia perfoliata	CLPE				0	0
bluebells	Mertensia	MERTE				0	0
beardtongue	Penstemon	PENST				0	0
Scouler's woollyweed	Hieracium scouleri	HISC2				0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				85%	77%	2460	3900
hawthorn	Crataegus	CRATA	13	50	70	1500	2100
mallow ninebark	Physocarpus malvaceus	PHMA5	13	15	20	450	600
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	5	10	150	300
common snowberry	Symphoricarpos albus	SYAL	14	5	10	150	300
rose	Rosa	ROSA5	14	2	5	60	150
chokecherry	Prunus virginiana	PRVI	14	2	5	60	150
Other Shrubs	N/A	SSSS	15	3	10	90	300
wax currant	Ribes cereum	RICE				0	0
elderberry	Sambucus	SAMBU				0	0
oceanspray (gen.)	Holodiscus	HOLOD				0	0
spirea	Spiraea	SPIRA				0	0
						0	0
Trees				2%	2%	60	120
ponderosa pine	Pinus ponderosa	PIPO	16	1	2	30	60
Douglas-fir	Pseudotsuga menziesii	PSME	16	1	2	30	60
						0	0
Totals				100%	100%	2880	5040

Site Name		SHRUBBY MOIST NORTH 15+ PZ				
Site Number		009XY046OR				
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	0.11	0.34	0.57	0.80
		High	0.20	0.60	1.00	1.40
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%					
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]	Deep to very deep, well drained, with a thick (19") silt loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-110%) and moderately to very steep slopes (12-70%) 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]	hawthorn > mallow ninebark > other dominant shrubs > Idaho fescue > other shrubs > other grasses > bluebunch wheatgrass > forbs > trees					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	15-30% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 3500, Normal: 3000, Unfavorable: 2000 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. Bluegrasses, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		SHALLOW NORTH 14+ PZ				
Site Number		009XY048OR				
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	0.16	0.22	
	High	0.05	0.14	0.23	0.32	
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%					
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, well drained, with a very stony silt loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and very steep slopes (15-90%) 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 > bluebunch wheatgrass > sandberg wheatgrass > forbs > shrubs > other 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]	10-15% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1500, Normal: 1000, 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. Bluegrasses, annual bromes, and medusahead invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		LOAMY BENCH 10-15 PZ						
Site Number		009XY050OR						
Plant Association		PSSP6-SPCR						
Normal Lbs./Ac.		1000						
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					93%	85%	830	1120
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	70	80	700	800	
sand dropseed	Sporobolus cryptandrus	SPCR	2	10	20	100	200	
Other Perennial Grasses	N/A	PPGG	5	3	12	30	120	
prairie Junegrass	Koeleria macrantha	KOMA				0	0	
Sandberg bluegrass	Poa secunda	POSE				0	0	
purple threeawn	Aristida purpurea	ARPU9				0	0	
needle and thread	Hesperostipa comata	HECO26				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Forbs					4%	11%	40	140
common yarrow	Achillea millefolium	ACMI2	7	1	3	10	30	
milkvetch	Astragalus	ASTRA	7	1	3	10	30	
plains pricklypear	Opuntia polyacantha	OPPO	7	1	3	10	30	
Other Perennial Forbs	N/A	PPFF	9	1	5	10	50	
shaggy fleabane	Erigeron pumilus	ERPU2				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
lupine	Lupinus	LUPIN				0	0	
hairy false goldenaster	Heterotheca villosa	HEVI4				0	0	
narrowleaf skullcap	Scutellaria angustifolia	SCAN3				0	0	
phlox	Phlox	PHLOX				0	0	
beardtongue	Penstemon	PENST				0	0	
hawkweed	Hieracium	HIERA				0	0	
aster (Eucep.)	Eucephalus	EUCEP2				0	0	
agoseris	Agoseris	AGOSE				0	0	
phacelia	Phacelia	PHACE				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs					2%	5%	20	60
Other Shrubs	N/A	SSSS	15	2	6	20	60	
nettleleaf hackberry	Celtis laevigata	CELAR				0	0	
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0	
smooth sumac	Rhus glabra	RHGL				0	0	
western poison ivy	Toxicodendron rydbergii	TORY				0	0	
buckthorn (Rham.)	Rhamnus	RHAMN				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Trees					0%	0%	0	0
						0	0	
						0	0	
						0	0	
Totals					100%	100%	890	1320

Site Name		LOAMY BENCH 10-15 PZ				
Site Number		009XY0500R				
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	0.04	0.11	0.18	0.25
		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 to some, moderate 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]	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]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained, with a silt loam or gravelly silt loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and gentle slopes (0-30%) 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]	Bluebunch wheatgrass > sand dropseed > forbs > other grasses > 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]	5-15% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 1000, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Sand dropseed and three-awn will increase with deterioration of plant community. Annual bromes and annual fescues invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		LOAMY SOUTH 10-15 PZ				
Site Number		009XY051OR				
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	0.04	0.12	0.21	0.29
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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]	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]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to very deep, well drained, with a silt loam to extremely stony clay loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and moderately steep slopes (15-60%) 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 > sand dropseed > forbs > other grasses > 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]	5-15% (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]	Sand dropseed and three-awn will increase with deterioration of plant community. Annual bromes and annual fescues invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		LOAMY SHALLOW SOUTH 10-15 PZ				
Site Number		009XY052OR				
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	0.03	0.09	0.14	0.20
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 to some					
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, 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]	Moderately to significantly resistant to erosion: aggregate stability = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained, with a very stony to extremely cobbly loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and steep slopes (2-60%) 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 > sand dropseed > forbs > other grasses > 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]	Sand dropseed and three-awn will increase with deterioration of plant community. Annual bromes and annual fescues invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		VERY SHALLOW SOUTH 10-15 PZ						
Site Number		009XY053OR						
Plant Association		PSSP6/ERIOG						
Normal Lbs./Ac.		200						
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				32%	40%	50	104	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	20	40	40	80	
sand dropseed	Sporobolus cryptandrus	SPCR	2	3	8	6	16	
Other Perennial Grasses	N/A	PPGG	5	2	4	4	8	
Sandberg bluegrass	Poa secunda	POSE				0	0	
purple threeawn	Aristida purpurea	ARPU9				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Forbs				67%	57%	106	148	
Blue Mountain buckwheat	Eriogonum strictum	ERST4	7	50	60	100	120	
Oregon twinpod	Physaria oregona	PHOR2	8	1	3	2	6	
plains pricklypear	Opuntia polyacantha	OPPO	8	1	3	2	6	
Other Perennial Forbs	N/A	PPFF	9	1	8	2	16	
Douglas' dustymaiden	Chaenactis douglasii	CHDO				0	0	
phacelia	Phacelia	PHACE				0	0	
milkvetch	Astragalus	ASTRA				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
squaw potato	Perideridia oregana	PEOR6				0	0	
tufted evening-primrose	Oenothera caespitosa	OECA10				0	0	
Elko cryptantha	Cryptantha interrupta	CRIN9				0	0	
shaggy fleabane	Erigeron pumilus	ERPU2				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
hairy false goldenaster	Heterotheca villosa	HEVI4				0	0	
phlox	Phlox	PHLOX				0	0	
beardtongue	Penstemon	PENST				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Shrubs				1%	3%	2	8	
Other Shrubs	N/A	SSSS	15	1	4	2	8	
spiny greasewood	Glossopetalon spinescens	GLSP				0	0	
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0	
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
Trees				0%	0%	0	0	
						0	0	
						0	0	
						0	0	
Totals				100%	100%	158	260	

Site Name		VERY SHALLOW SOUTH 10-15 PZ				
Site Number		009XY053OR				
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	0.02	0.03	0.04	
	High	0.01	0.03	0.05	0.07	
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 to some					
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, 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]	Moderately resistant to erosion: aggregate stability = 2-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained, with an extremely gravelly loam surface - bedrock at less than 10": low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Sparse ground cover (20-40%) and very steep slopes (2-90%) only 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]	Buckwheat > Bluebunch wheatgrass > sand dropseed > other forbs > other grasses > 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]	1-5% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 400, Normal: 200, Unfavorable: 100 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Buckwheat, sand dropseed and three-awn will increase with deterioration of plant community. Annual bromes and annual fescues invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		LOAMY NORTH 10-15 PZ					
Site Number		009XY054OR					
Plant Association		FEID-PSSP6					
Normal Lbs./Ac.		1000					
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				95%	86%	730	1160
Idaho fescue	Festuca idahoensis	FEID	1	50	70	500	700
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	20	40	200	400
Other Perennial Grasses	N/A	PPGG	5	3	6	30	60
Sandberg bluegrass	Poa secunda	POSE				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Forbs				4%	8%	30	110
common yarrow	Achillea millefolium	ACMI2	7	1	3	10	30
milkvetch	Astragalus	ASTRA	7	1	3	10	30
Other Perennial Forbs	N/A	PPFF	9	1	5	10	50
shaggy fleabane	Erigeron pumilus	ERPU2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0
lupine	Lupinus	LUPIN				0	0
phlox	Phlox	PHLOX				0	0
hawkweed	Hieracium	HIERA				0	0
aster (Eucep.)	Eucephalus	EUCEP2				0	0
agosaris	Agoseris	AGOSE				0	0
brittle bladderfern	Cystopteris fragilis	CYFR2				0	0
mariposa lily	Calochortus	CALOC				0	0
woolly plantain	Plantago patagonica	PLPA2				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				1%	6%	10	80
Other Shrubs	N/A	SSSS	15	1	8	10	80
nettleleaf hackberry	Celtis laevigata	CELAR				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
common snowberry	Symphoricarpos albus	SYAL				0	0
rose	Rosa	ROSA5				0	0
smooth sumac	Rhus glabra	RHGL				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				0%	0%	0	0
						0	0
						0	0
						0	0
Totals				100%	100%	770	1350

Site Name		LOAMY NORTH 10-15 PZ				
Site Number		009XY054OR				
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	0.21
		High	0.05	0.16	0.27	0.37
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, moderate 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]	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]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained, with a silt loam to loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and moderate to very steep slopes (15-90%) 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 > bluebunch wheatgrass > forbs > other grasses > 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]	5-15% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 1000, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial forb and brush species will increase with deterioration of plant community. Sand dropseed, annual bromes, and annual fescues invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		SHALLOW NORTH 10-15 PZ				
Site Number		009XY055OR				
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	0.09	0.13	
	High	0.03	0.09	0.16	0.22	
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 to some					
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, 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]	Moderately to significantly resistant to erosion: aggregate stability = 3-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to very shallow, well drained, with a cobbly loam surface: low to moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate to significant ground cover (70-90%) and moderate to very steep slopes (15-90%) 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 > forbs > other grasses > 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 forb and brush species will increase with deterioration of plant community. Sand dropseed, annual bromes, and annual fescues invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		SHRUBBY NORTH 15+ PZ					
Site Number		009XY060OR					
Plant Association		PHMA5-SYAL					
Normal Lbs./Ac.		2500					
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				10%	15%	225	625
Idaho fescue	Festuca idahoensis	FEID	1	5	10	125	250
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	2	5	50	125
Other Perennial Grasses	N/A	PPGG	5	2	10	50	250
prairie Junegrass	Koeleria macrantha	KOMA				0	0
blue wildrye	Elymus glaucus	ELGL				0	0
bluegrass	Poa	POA				0	0
sedge	Carex	CAREX				0	0
pinegrass	Calamagrostis rubescens	CARU				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				3%	5%	75	225
cinquefoil	Potentilla	POTEN	7	1	2	25	50
groundsel	Senecio	SENEC	7	1	2	25	50
Other Perennial Forbs	N/A	PPFF	9	1	5	25	125
lupine	Lupinus	LUPIN				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
milkvetch	Astragalus	ASTRA				0	0
aster (Eucep.)	Eucephalus	EUCEP2				0	0
bedstraw	Galium	GALIU				0	0
waterleaf	Hydrophyllum	HYDRO4				0	0
beardtongue	Penstemon	PENST				0	0
Scouler's woollyweed	Hieracium scouleri	HISC2				0	0
wild onion	Allium	ALLIU				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				84%	78%	1850	3325
mallow ninebark	Physocarpus malvaceus	PHMA5	13	50	70	1250	1750
common snowberry	Symphoricarpos albus	SYAL	13	10	20	250	500
rose	Rosa	ROSA5	14	5	15	125	375
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	5	15	125	375
spirea	Spiraea	SPIRA	14	2	5	50	125
Other Shrubs	N/A	SSSS	15	2	8	50	200
hawthorn	Crataegus	CRATA				0	0
wax currant	Ribes cereum	RICE				0	0
oceanspray	Holodiscus discolor	HODI				0	0
chokecherry	Prunus virginiana	PRVI				0	0
elderberry	Sambucus	SAMBU				0	0
						0	0
Trees				2%	2%	50	100
ponderosa pine	Pinus ponderosa	PIPO	16	1	2	25	50
Douglas-fir	Pseudotsuga menziesii	PSME	16	1	2	25	50
						0	0
Totals				100%	100%	2200	4275

Site Name		SHRUBBY NORTH 15+ PZ				
Site Number		009XY0600R				
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	0.09	0.26	0.44	0.61
		High	0.17	0.51	0.85	1.18
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-5%					
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]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained, with a stony silt loam surface (up to 10" thick): moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-110%) and moderate to very steep slopes (15-90%) 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]	Mallow ninebark > snowberry > rose = serviceberry > idaho fescue > other grasses > bluebunch wheatgrass > forbs > other shrubs > trees					
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% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 3000, Normal: 2500, Unfavorable: 2000 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial forb and brush species will increase with deterioration of plant community. Bluegrasses and annual bromes invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		HIGH RIDGE 30+ PZ				
Site Number		009XY0700R				
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	0.19	
	High	0.05	0.15	0.26	0.36	
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]	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, moderate to significant 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, well drained, with a very stony fine sandy loam surface: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and moderate to steep slopes (15-60%) 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 > sedge > rush > other grasses > forbs > 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]	5-15% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1500, Normal: 1000, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Sedges, rushes, and perennial forb species will increase with deterioration of plant community. Bluegrasses and annual bromes invade sites that have lost deep rooted perennial grass functional groups. Excessive erosion may occur, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		SUBALPINE SLOPES					
Site Number		009XY075OR					
Plant Association		FEVI-ACOC3/LUPIN					
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				92%	84%	621	1035
greenleaf fescue	Festuca viridula	FEVI	1	60	80	540	720
western needlegrass	Achnatherum occidentale	ACOC3	2	5	15	45	135
sedge	Carex	CAREX	2	2	10	18	90
Other Perennial Grasses	N/A	PPGG	5	2	10	18	90
prairie Junegrass	Koeleria macrantha	KOMA				0	0
Letterman's needlegrass	Achnatherum lettermanii	ACLE9				0	0
slender wheatgrass	Elymus trachycaulus	ELTR7				0	0
Parry's rush	Juncus parryi	JUPA				0	0
Drummond's rush	Juncus drummondii	JUDR				0	0
Cusick's bluegrass	Poa cusickii	POCU3				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
alpine timothy	Phleum alpinum	PHAL2				0	0
bulbous oniongrass	Melica bulbosa	MEBU				0	0
timber oatgrass	Danthonia intermedia	DAIN				0	0
spike trisetum	Trisetum spicatum	TRSP2				0	0
						0	0
Forbs				5%	13%	36	162
lupine	Lupinus	LUPIN	7	2	8	18	72
Other Perennial Forbs	N/A	PPFF	9	2	10	18	90
poke knotweed	Polygonum phytolaccifolium	POPH				0	0
thickstem aster	Eurybia integrifolia	EUIN9				0	0
Rydberg's penstemon	Penstemon rydbergii	PERY				0	0
globe penstemon	Penstemon globosus	PEGL5				0	0
silverleaf phacelia	Phacelia hastata	PHHA				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
alpine golden buckwheat	Eriogonum flavum	ERFL4				0	0
parsnipflower buckwheat	Eriogonum heracleoides	ERHE2				0	0
nodding microceris	Microseris nutans	MINU				0	0
western coneflower	Rudbeckia occidentalis	RUOC2				0	0
Jessica sticktight	Hackelia micrantha	HAMI				0	0
Nuttall's linanthus	Linanthus nuttallii	LINU3				0	0
groundsel	Senecio	SENEC				0	0
groundsmoke	Gayophytum	GAYOP				0	0
prickly sandwort	Arenaria aculeata	ARAC2				0	0
pussytoes	Antennaria	ANTEN				0	0
fleabane	Erigeron	ERIGE2				0	0
						0	0
Shrubs				0%	0%	0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				3%	3%	18	36
subalpine fir	Abies lasiocarpa	ABLA	16	1	2	9	18
whitebark pine	Pinus albicaulis	PIAL	16	1	2	9	18
						0	0
Totals				100%	100%	675	1233

Site Name		SUBALPINE SLOPES				
Site Number		009XY075OR				
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	0.05	0.15	0.24	0.34
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]	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]	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, with a stony loam surface: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and moderate to steep slopes (2-60%) 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]	Green Fescue > western needlegrass > sedge > other grasses = forbs > trees					
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: 1300, Normal: 900, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Needlegrasses, rushes, and perennial forb species will increase with deterioration of plant community. Excessive erosion occurs on the interspaces, deteriorating site potential.					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					