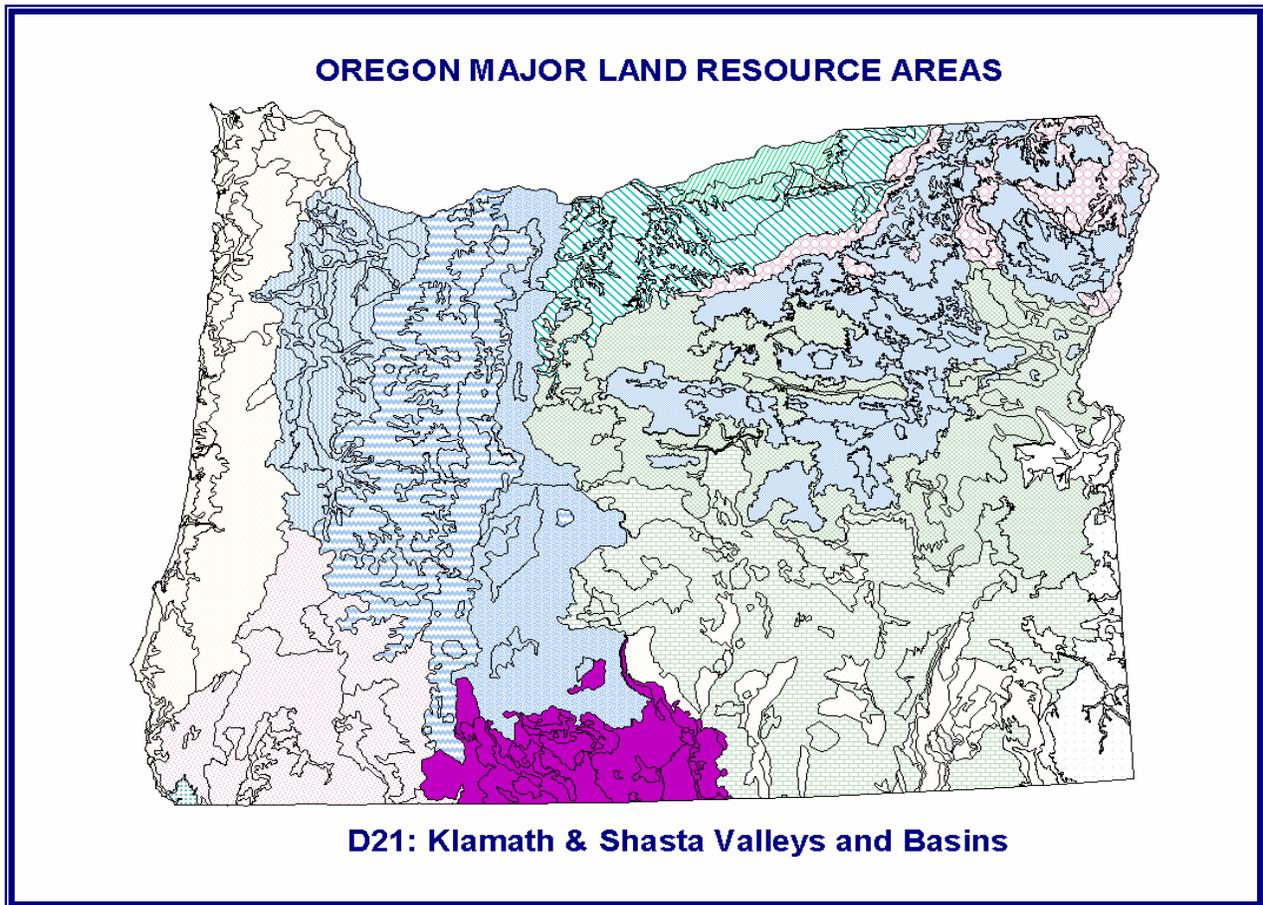


MLRA D21 Klamath and Shasta Valleys and Basins

**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

PLANT 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
021XY100OR	DRY FLOODPLAIN 10+ PZ	LECI4/ARTRT-PUTR2	Mesic	3200	2400	1800	LECI4 (60) ARTRT (5) PUTR2 (5) POSE (5)
021XY102OR	SODIC FLAT 10+ PZ	LECI4-DISP/SAVE4	Mesic	3000	1500	1000	ERNA10 (5) POSE (5) DISP (10) SAVE4 (10) LECI4 (60)
021XY104OR	SALINE MEADOW	PUNU2-DISP	Mesic	1500	1000	700	DISP (25) PUNU2 (50)
021XY106OR	BEACHRIDGE 8-10 PZ draft	LETR5/SAVE4	Frigid	900	700	500	LETR5 (50) LECI4 (5) SAVE4 (30)
021XY108OR	INTERMITTENT LAKE	LETR5-POSE/ARCA13	Mesic	1800	1500	1000	CAREX (5) MURI (10) ARCA13 (15) POSE (15) LECI4 (30)
021XY200OR	LOAMY 10-14 PZ	PSSP6-FEID/PUTR2-ARTRW8	Mesic	1200	900	700	PSSP6 (40) ARTRW8 (5) ACTH7 (5) POSE (5) PUTR2 (10) FEID (10)
021XY201OR	JUNIPER LOAMY HILLS 10-14 PZ draft	PSSP6-FEID/PUTR2-ARTRT/JUOC	Mesic	1400	1200	800	PSSPS (40) FEID (15) POSE4 (10) STTH2 (5) ARTRV (10) PUTR2 (5)
021XY202OR	SHALLOW LOAM 10-14 PZ	PSSP6-FEID/PUTR2-ARTRW8	Mesic	800	600	450	PSSPS (45) ARTRW (5) ACTH7 (5) POSE (5) PUTR2 (10) FEID (10)
021XY204OR	SHALLOW STONY 10-20 PZ draft	POSE/ARAR8	Frigid	600	400	250	ERMI4 (5) PSSPS (5) POA SP. (5) ARAR8 (15) POSE (50)
021XY206OR	DEEP LOAMY 10-14 PZ	PSSP6-LECI4/PUTR2-ARTRT	Mesic	2000	1500	900	PSSPS (30) ARTRV (5) POSE (5) POA (5) FEID (10) PUTR2 (15) LECI4 (20)
021XY208OR	SANDY 10-14 PZ	FEID-ACTH7/PUTR2	Mesic	1200	950	500	ACOCO (5) ARTRW (5) ACHY (5) ACTH7 (10) PUTR2 (20) FEID (50)
021XY210OR	LOAMY 14-18 PZ	FEID/ARTRV-PUTR2	Frigid	1500	1200	900	ARTRV (5) LECI4 (5) ACTH7 (5) POSE (5) PSSPS (15) PUTR2 (15) FEID (40)
021XY211OR	SHRUBBY LOAM 12-16 PZ draft	PSSP6-FEID/PUTR2-ARTRT	Mesic	1400	1200	800	FEID (40) PSSP6 (15) POSE (5) PUTR2 (15) ARTRT (5)
021XY212OR	SHALLOW LOAM 14-18 PZ	FEID/PUTR2-ARTRV	Mesic	1200	900	600	ARTRV (5) LECI4 (5) ACTH7 (5) POSE (5) PSSPS (15) PUTR2 (15) FEID (40)
021XY214OR	CLAYPAN 14-18 PZ	FEID-PSSP6/ARAR8	Frigid	1200	900	600	PUTR2 (5) POSE (5) PSSPS (10) ARAR8 (15) FEID (45)
021XY215OR	CLAYPAN 14-20 PZ draft	FEID-POSE/ARAR8	Frigid	1000	800	500	FEID (50) POSE (10) ARAR8 (15) PSSP6 (5)
021XY216OR	STONY CLAYPAN 14-20 PZ	FEID-PSSP6/ARAR8	Frigid	1000	800	500	ERMI4 (5) DAUN (5) POSE (5) BAH0 (5) POSE (5) PSSPS (10) ARAR8 (15) FEID (35)
021XY218OR	SHRUBBY LOAM 16-20 PZ draft	FEID/PUTR2-ARTRV	Frigid	1500	1300	1000	PUTR2 (15) ARTRV (10) FEID (40) POSE (10)

Site Number	Name	HCPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
021XY300OR	SOUTH SLOPES 10-14 PZ	PSSP6/PUTR2-ARTRW8	Mesic	1200	800	500	PSSPS (65) PUTR2 (5) ACTH7 (5) POSE (5) ACHY (5) ARTRW (10)
021XY301OR	JUNIPER SOUTH 12-16 PZ draft	PSSP6-POSE/PUTR2-ARTRT/JUOC	Mesic	1000	800	600	PSSP6 (50) POSE (10) PUTR2 (10) ARTRT (5) ACTH7 (5) JUOC (10)
021XY302OR	NORTH SLOPES 10-14 PZ	PSSP6-FEID/ARTRT	Mesic	1300	900	600	PSSPS (50) ACTH7 (5) POSE (5) ARTRW (10) FEID (15)
021XY306OR	STONY CLAYPAN SOUTH 14-18 PZ	PSSP6-FEID-POSE/ARAR8	Mesic/Frigid	800	500	300	PSSPS (35) ACTH7 (10) POSE (10) ARAR8 (15) FEID (15)
021XY308OR	SOUTH SLOPES 14-18 PZ	PSSP6/ARTRV-PUTR2	Mesic/Frigid	1200	900	600	BASA3 (5) PUTR2 (5) POSE (5) FEID 95) ARTRV (10) PSSPS (40)
021XY310OR	SHALLOW NORTH 14-18 PZ	FEID-PSSP6/ARAR8	Frigid	1200	900	500	FEID (45) PUTR2 (5) POSE (5) PSSPS (10) ARAR8 (15)
021XY312OR	NORTH SLOPES 14-18 PZ	FEID/PUTR2	Frigid	1500	1000	600	FEID (50) ARTRV (5) LECI4 (5) PPS (10) PUTR2 (10) POSE (10)
021XY314OR	DRY MEADOW	POSE/ARCA13	Mesic/Frigid	1600	1400	1200	POSE (50) ELTR7 (5) ARCA13 (5) HOBR2 (5) POPR (5)
021XY402OR	ROCKY RIDGES 14+ PZ	FEID/CELE3-ARTRV	Frigid	1200	1000	800	FEID (50) SYAL (5) PIPO (5) ARTRV (10) CELE3 (10)
021XY403OR	MAHOGANY ROCKLAND 10-20 PZ draft	FEID-PSSP6/PUTR2-CELE3	Frigid	1200	1000	800	FEID (40) PSSP6 (10) POSE (10) ACTH7 (5) PUTR2 (10) CELE3 (10)
021XY406OR	WET MEADOW	DECA18-CANE2	Mesic/Frigid/Cryic	3000	2500	1500	DECA18 (60) CALAM (5) GLBO (5) CANE2 (5) JUBA (5)
021XY410OR	DEEP LOAMY 16-20 PZ	FEID-PSSP6/PUTR2/PIPO	Frigid	1200	900	700	FEID (40) ACOC3 (5) FEOC (5) PIPO (5) PUTR2 (10) CARO5 (10) PSSP6 (20)
021XY411OR	PINE-MAHOGANY-FESCUE 16-20 PZ draft	FEID-CARO5/PUTR2-CELE3/PIPO	Frigid	1200	1000	800	FEID (40) CARO5 (10) POSE (5) PUTR2 (15) CELE3 (10) AMAL2 (5)
021XY412OR	LOAMY 18+ PZ	CARO5-FEID/ARTRV-SYAL	Frigid	1200	1000	800	ARTRV (15) ACOC3 (5) ELEM5 (5) AMAL2 (5) WYAM (10) BRMA4 (10) LUPIN (10) SYAL (10) CARO5 (10) FEID (10)
021XY414OR	PINE-SEDGE-FESCUE 16-24 PZ	FEID-CARO5/PUTR2-CELE3/PIPO	Frigid	1000	800	600	SYAL (10) FEID (25) FEOC (5) CEPR (5) CELE3 (5) PUTR2 (5) POSE (5) PIPO (10) CARO5 (15) POWH2 (5)
021XY416OR	ASPEN GROVE	POLE-POSE/SYAL/POTR5	Frigid	1800	1200	1000	TRIFO (5) LECI4 (5) ELTR7 (10) ARTRV (10) POSE (10) OTR (15) SYAL (15) POTR5 (15)
021XY418OR	WET LOAMY TERRACE	FEID/SPDO-SYAL/PIPO	Frigid	700	600	500	FEOC (5) AMAL2 (5) PIPO (10) SYAL (10) FEID (10) SPDO (30)
021XY422OR	PINE-FIR-SEDGE 18-30 PZ draft	CAIN9-BRMA4/SYAL/ABGR-PIPO	Frigid	1000	700	500	CAIN9 (15) POWH2 (15) BRMA4 (10) CARO5 (5) SYAL (15) MARE11 (5) ABGR (15) PIPO (15)

Site Number	Name	HGPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
021XY501OR	JUNIPER CLAYPAN 16–20 PZ draft	FEID-POSE/ARAR8/JUOC	Frigid	1000	800	500	FEID (50) POSE (15) DAUN (10) ARAR8 (15) JUOC (10)
021XY503OR	EPHEMERAL LAKEBED draft	ELEOC-CAREX	Frigid	1500	1200	900	ELEOC (70) CAREX (15) JUBA (5) JUNCU (5) ARSO2 (5) EUCEP2 (5)
021XY505OR	JUNIPER CLAYPAN 12–16 PZ draft	FEID-PSSP6-POSE/ARAR8-PUTR2/JUOC	Frigid	1000	800	500	FEID (40) PSSP6 (30) POSE (10) DAUN (5) ARAR8 (10) PUTR2 (10) JUOC (10)
021XY506OR	CLAYPAN BOTTOM 12-18 PZ draft	POSE-FEID/ARAR8	Mesic/Frigid	1200	1000	700	POSE (50) FEID (10) CAREX (5) DAUN (5) ARAR8 (20)
021XY508OR	JUNIPER DRY PINE 14-16 PZ draft	FEID-PSSP6/PUTR2-CELE3/JUOC-PIPO	Mesic/Frigid	1200	1000	800	FEID (30) PSSP6 (20) POSE (10) ACTH7 (5) ACOC3 (5) PUTR2 (15) CELE3 (10) JUOC (10) PIPO (10)
021XY509OR	SEMI-WET MEADOW draft	DACA3-CAREX	Frigid	1500	1200	1000	DACA3 (70) CAREX (5) POSE (5)
021XY510OR	PINE-FESCUE BOTTOM 12-18 PZ draft	FEID/PUTR2/PIPO	Frigid	1200	1000	800	FEID (40) POSE (10) CARO5 (5) PUTR2 (20) AMAL2 (5) PIPO (10)

Site Name	DRY FLOODPLAIN 10+ PZ				
Site Number	021XY100OR				
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	0.23	0.38	0.53
	High	0.11	0.32	0.53	0.74
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard except along streambanks during periods of flooding				
2. Presence of water flow patterns [1.0]	None, except for natural overflow areas				
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%				
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 to coarse - limited movement except during flooding				
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]	Very deep, moderately well drained loams and silty clay loams: Moderate OM (1-5%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High ground cover (80-90%) and gentle slopes (0-2%) effectively limits rainfall impact and overland flow, infiltration can be limited by excess thatch				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Basin wildrye > sandberg bluegrass = other forbs = dominant shrubs > 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]	20-40% (1-2")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 3000, Normal: 2400, 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. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name SODIC FLAT 10+ PZ						
Site Number 021XY102OR						
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	0.08	0.23	0.38	0.53	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-25% black alkali spots are devoid of vegetation					
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: severe when soil is exposed and dry					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine to moderately coarse - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep strongly or very strongly alkaline, somewhat poorly or poorly drained loams, silt loams, and silty clay loams; Low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High ground cover (75-85%) and gentle slopes (0-1%) effectively limits rainfall impact and overland flow, infiltration can be limited by excess thatch					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Basin wildrye > inland saltgrass > alkali bluegrass = black greasewood > other shrubs = other grasses > 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]	5-10% (< 0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2200, Normal: 1500, 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	SALINE MEADOW				
Site Number	021XY104OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.16	0.23
	High	0.05	0.15	0.24	0.34
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15% black & white alkali spots are devoid of vegetation				
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: severe when soil is exposed and dry				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine to moderately coarse - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep, moderately alkaline, somewhat poorly or poorly drained loamy fine sands to silty clay loams: Low OM (< 2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High ground cover (75-85%) and gentle slopes (0-2%) effectively limits rainfall impact and overland flow, infiltration can be limited by excess thatch				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Nuttall alkali grass > inland saltgrass > other forbs > shrubs > sedges = dominant forbs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	1-10% (< 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. 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		BEACHRIDGE 8-10 PZ				
Site Number		021XY106OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.03	0.08	0.13	0.18
		High	0.03	0.10	0.16	0.22
Rangeland Health Indicator [wt]		Potential for this Site				
1. Number and extent of rills [1.0]		None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]		None				
3. Number and height of erosional pedestals or terracettes [1.0]		None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]		15-30%				
5. Number of gullies and erosion associated with gullies [1.0]		None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]		Few to many, 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 = 1-3				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]		Very deep, well drained beach ridges and dunes of ashy loam or sandy loam: Low OM (< 1.0%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]		Limited ground cover (10-25%), large areas of bare soil, and gentle slopes (0-10%) provide minimal protection from rainfall impact and overland flow; infiltration rates are high				
11. Presence and thickness of compaction layer [1.0]		None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]		Creeping wildrye > black greasewood > basin wildrye > other grasses = forbs > other shrubs				
13. Amount of plant mortality and decadence [1.0]		Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]		5-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]		Favorable: 900, Normal: 700, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]		Perennial brush species will increase with deterioration of plant community. 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	INTERMITTENT LAKE				
Site Number	021XY108OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.17	0.24
	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, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None, except ephemeral flow patterns after spring snow melt				
3. Number and height of erosional pedestals or terracettes [1.0]	None to few: restricted permeability layer near the surface				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	20-40%				
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]	Very deep (with restrictive layer near the surface), somewhat poorly drained clay loams and silty clay loams: Low to moderate OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (30-40%) and gentle slopes (0-1%) effectively 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]	Creeping wildrye > sandberg bluegrass > silver sagebrush > other grasses > sedges > 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]	5-15% (> 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1800, Normal: 1500, 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		LOAMY 10-14 PZ					
Site Number		021XY200OR					
Plant Association		PSSP6-FEID/PUTR2-ARTRW8					
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				82%	70%	504	810
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	40	60	360	540
Idaho fescue	Festuca idahoensis	FEID	2	10	15	90	135
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	18	45
Sandberg bluegrass	Poa secunda	POSE	4	2	5	18	45
Other Perennial Grasses	N/A	PPGG	5	2	5	18	45
oniongrass (gen.)	Melica	MELIC				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				6%	9%	36	99
buckwheat	Fagopyrum esculentum	FAES2	7	1	2	9	18
lupine	Lupinus	LUPIN	7	1	2	9	18
tapertip hawksbeard	Crepis acuminata	CRAC2	7	1	2	9	18
Other Perennial Forbs	N/A	PPFF	9	1	5	9	45
aster (Eucep.)	Eucephalus	EUCEP2				0	0
deathcamas	Zigadenus	ZIGAD				0	0
fleabane	Erigeron	ERIGE2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
milkvetch	Astragalus	ASTRA				0	0
groundsel	Senecio	SENEC				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				12%	21%	72	243
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	15	45	135
Wyoming big sagebrush	Artemisia tridentata ssp. wyomingensis	ARTRW8	12	2	10	18	90
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8	12	1	2	9	18
						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
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	612	1152

Site Name	LOAMY 10-14 PZ				
Site Number	021XY200OR				
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	0.05	0.14	0.23	0.32
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight to moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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 to significantly resistant to erosion: aggregate stability = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained loams (restrictive layer below 20"): Moderate OM (2-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (60-70%) limits rainfall impact and overland flow (slightly higher hazard on steeper slopes (to 20%))				
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 > antelope bitterbrush > wyoming big sagebrush > other grasses > other forbs > dominant forbs = green rabbitbrush				
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: 1200, Normal: 900, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		JUNIPER LOAMY HILLS 10-14 PZ					
Site Number		021XY201OR draft					
Plant Association		PSSP6-FEID/PUTR2-ARTRT/JUOC					
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				74%	67%	636	996
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	35	45	420	540
Idaho fescue	Festuca idahoensis	FEID	2	10	20	120	240
Sandberg bluegrass	Poa secunda	POSE	4	5	10	60	120
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	24	60
Other Perennial Grasses	N/A	PPGG	5	1	3	12	36
prairie Junegrass	Koeleria macrantha	KOMA				0	0
Lemmon's needlegrass	Achnatherum lemmonii	ACLE8				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
Forbs				3%	7%	24	96
Other Perennial Forbs	N/A	PPFF	9	2	8	24	96
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
lupine	Lupinus	LUPIN				0	0
pussytoes	Antennaria	ANTEN				0	0
phacelia	Phacelia	PHACE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
beardtongue	Penstemon	PENST				0	0
phlox	Phlox	PHLOX				0	0
fleabane	Erigeron	ERIGE2				0	0
milkvetch	Astragalus	ASTRA				0	0
deathcamas	Zigadenus	ZIGAD				0	0
mariposa lily	Calochortus	CALOC				0	0
woollypod milkvetch	Astragalus purshii	ASPU9				0	0
blue eyed Mary	Collinsia	COLLI				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
						0	0
						0	0
Shrubs				17%	18%	144	264
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	11	3	5	36	60
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	11	3	5	36	60
antelope bitterbrush	Purshia tridentata	PUTR2	12	3	5	36	60
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	1	2	12	24
Other Shrubs	N/A	SSSS	15	2	5	24	60
wax currant	Ribes cereum	RICE				0	0
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
spineless horsebrush	Tetradymia canescens	TECA2				0	0
Trees				7%	8%	60	120
western juniper	Juniperus occidentalis	JUOC	16	5	10	60	120
						0	0
						0	0
Totals				100%	100%	864	1476

Site Name	JUNIPER LOAMY HILLS 10-14 PZ				
Site Number	021XY201OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.17	0.24
	High	0.06	0.18	0.29	0.41
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight to moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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 to moderately resistant to erosion: aggregate stability = 4-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained loams: Low to moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-80%) limits rainfall impact and overland flow (slightly higher hazard on steeper slopes (to 25%))				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > sandberg bluegrass > western juniper > mountain big sagebrush > antelope bitterbrush > other grassees > 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]	20-40% (< 1")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1400, Normal: 1200, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	SHALLOW LOAM 10-14 PZ				
Site Number	021XY202OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.05	0.08	0.12
	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, slight to moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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]	Significantly to moderately resistant to erosion: aggregate stability = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained sandy loams, loams, and silty clay loams with significant rock content: Low to moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Adequate cover (60-70%) and level to gentle slopes (1-20%) 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]	Bluebunch wheatgrass > idaho fescue > antelope bitterbrush > wyoming big sagebrush > other grasses > other forbs > dominant forbs = green rabbitbrush				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: ,800 Normal: 600, Unfavorable: 450 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		SHALLOW STONY 10-20 PZ					
Site Number		021XY204OR draft					
Plant Association		POSE/ARAR8					
Normal Lbs./Ac.		400					
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				68%	59%	216	300
Sandberg bluegrass	Poa secunda	POSE	3	50	65	200	260
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	2	5	8	20
Other Perennial Grasses	N/A	PPGG	5	2	5	8	20
Idaho fescue	Festuca idahoensis	FEID				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Forbs				10%	13%	32	64
Hooker's balsamroot	Balsamorhiza hookeri	BAHO	7	2	3	8	12
lomatium (gen.)	Lomatium	LOMAT	7	2	3	8	12
buckwheat (Eriog.)	Eriogonum	ERIOG	7	2	3	8	12
largehead clover	Trifolium macrocephalum	TRMA3	8	1	2	4	8
Other Perennial Forbs	N/A	PPFF	9	1	5	4	20
milkvetch	Astragalus	ASTRA				0	0
woolly plantain	Plantago patagonica	PLPA2				0	0
lupine	Lupinus	LUPIN				0	0
fleabane	Erigeron	ERIGE2				0	0
rockcress (Aribis)	Arabis	ARABI2				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
willowherb	Epilobium	EPILO				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				16%	21%	52	108
low sagebrush	Artemisia arbuscula	ARAR8	11	10	20	40	80
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	2	5	8	20
antelope bitterbrush	Purshia tridentata	PUTR2	12	1	2	4	8
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				6%	8%	20	40
western juniper	Juniperus occidentalis	JUOC	16	5	10	20	40
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	320	512

Site Name	SHALLOW STONY 10-20 PZ				
Site Number	021XY204OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.01	0.04	0.06	0.09
	High	0.02	0.06	0.10	0.14
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, moderate to significant sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Few to many in rock/vegetation interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	Few to many (particularly sandberg bluegrass)				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	1-10%				
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 = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained very cobbly or very stony loams (covered with 30-65% rock fragments): Low OM (1%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Nearly level aspect, moderate ground cover (30-60%), high amount of surface rock fragments and moderate slopes (0-30%) effectively limits rainfall impact and overland flow; infiltration rates are usually very slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Sandberg bluegrass > low sagebrush > other grasses = forbs > shrubby buckwheat > antelope bitterbrush				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	5-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 600, Normal: 400, Unfavorable: 250 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	SANDY 10-14 PZ				
Site Number	021XY208OR				
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	0.14	0.20
	High	0.05	0.16	0.26	0.37
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
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]	10-25%				
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 high wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly resistant to erosion: aggregate stability = 2-4				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep, well drained loamy fine sand and loamy sands: Low OM (< 1%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-80%) limits rainfall impact and overland flow (slightly higher hazard on steeper slopes (to 30%))				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > antelope bitterbrush > thurber needlegrass > wyoming big sagebrush > other grasses = forbs = other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	5-10% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 950, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper may invade the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		DEEP LOAMY 10-14 PZ					
Site Number		021XY206OR					
Plant Association		PSSP6-LECI4/PUTR2-ARTRT					
Normal Lbs./Ac.		1500					
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				73%	68%	780	1275
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	25	35	375	525
basin wildrye	Leymus cinereus	LECI4	2	15	25	225	375
Idaho fescue	Festuca idahoensis	FEID	2	5	10	75	150
Sandberg bluegrass	Poa secunda	POSE	4	5	10	75	150
Other Perennial Grasses	N/A	PPGG	5	2	5	30	75
sedge	Carex	CAREX				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
						0	0
						0	0
						0	0
Forbs				8%	12%	90	225
fewflower pea	Lathyrus pauciflorus	LAPA5	7	1	2	15	30
agoseris	Agoseris	AGOSE	7	1	2	15	30
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3	7	1	2	15	30
common yarrow	Achillea millefolium	ACMI2	7	1	2	15	30
lupine	Lupinus	LUPIN	7	1	2	15	30
Other Perennial Forbs	N/A	PPFF	9	1	5	15	75
Scouler's woollyweed	Hieracium scouleri	HISC2				0	0
mariposa lily	Calochortus	CALOC				0	0
nineleaf biscuitroot	Lomatium triternatum	LOTR2				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				18%	20%	195	375
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	15	150	225
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	12	2	5	30	75
Other Shrubs	N/A	SSSS	15	1	5	15	75
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0
littleleaf horsebrush	Tetradymia glabrata	TEGL				0	0
wax currant	Ribes cereum	RICE				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
						0	0
						0	0
						0	0
Trees				0%	0%	0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	1065	1875

Site Name	DEEP LOAMY 10-14 PZ				
Site Number	021XY206OR				
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	0.21	0.29
	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, slight to moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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]	Slightly to moderately resistant to erosion: aggregate stability = 4-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep, well drained loams, fine sandy loams, and silt loams: Moderate to high OM (3-5%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (60-70%) limits rainfall impact and overland flow (slightly higher hazard on steeper slopes (to 35%))				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > basin wildrye > antelope bitterbrush > other grasses > forbs > basin big sagebrush > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, Normal: 1500, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		LOAMY 14-18 PZ					
Site Number		021XY210OR					
Plant Association		FEID/ARTRV-PUTR2					
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				73%	69%	588	1032
Idaho fescue	Festuca idahoensis	FEID	1	30	50	360	600
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	10	15	120	180
basin wildrye	Leymus cinereus	LECT4	2	2	5	24	60
Sandberg bluegrass	Poa secunda	POSE	4	3	6	36	72
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	24	60
Other Perennial Grasses	N/A	PPGG	5	2	5	24	60
western needlegrass	Achnatherum occidentale	ACOC3				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				7%	10%	60	156
lupine	Lupinus	LUPIN	7	1	2	12	24
milkvetch	Astragalus	ASTRA	7	1	2	12	24
phlox	Phlox	PHLOX	7	1	2	12	24
lomatium (gen.)	Lomatium	LOMAT	7	1	2	12	24
Other Perennial Forbs	N/A	PPFF	9	1	5	12	60
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
flax	Linum	LINUM				0	0
fleabane	Erigeron	ERIGE2				0	0
woolly plantain	Plantago patagonica	PLPA2				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				19%	20%	156	300
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	15	120	180
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	2	5	24	60
Other Shrubs	N/A	SSSS	15	1	5	12	60
chokecherry	Prunus virginiana	PRVI				0	0
wax currant	Ribes cereum	RICE				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
horsebrush	Tetradymia	TETRA3				0	0
rose	Rosa	ROSA5				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
mountain snowberry	Symphoricarpos oreophilus	SYOR2				0	0
						0	0
Trees				0%	0%	0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	804	1488

Site Name	LOAMY 14-18 PZ				
Site Number	021XY210OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.16	0.22
	High	0.06	0.18	0.29	0.41
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight to moderately severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to few in interspaces				
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 = 4-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep and very deep, well drained loams and sandy loams (containing up to 35% coarse fragments): Moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High amount of plant cover (70-90%) and rock fragments and moderate slopes (0-30%) effectively limit rainfall impact and overland flow; infiltration is moderate to moderately slow				
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 = antelope bitterbrush > dominant grasses > mountain big sagebrush = dominant forbs = other grasses > other forbs = other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-25% (< 1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1500, Normal: 1200, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		SHRUBBY LOAM 12-16 PZ					
Site Number		021XY211OR draft					
Plant Association		PSSP6-FEID/PUTR2-ARTRT					
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				68%	63%	588	1020
Idaho fescue	Festuca idahoensis	FEID	1	30	45	360	540
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	10	20	120	240
Sandberg bluegrass	Poa secunda	POSE	4	5	10	60	120
basin wildrye	Leymus cinereus	LECI4	2	2	5	24	60
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	1	2	12	24
Other Perennial Grasses	N/A	PPGG	5	1	3	12	36
western needlegrass	Achnatherum occidentale	ACOC3				0	0
Ross' sedge	Carex rossii	CARO5				0	0
oniongrass (gen.)	Melica	MELIC				0	0
Forbs				8%	12%	72	192
lupine	Lupinus	LUPIN	7	2	3	24	36
milkvetch	Astragalus	ASTRA	7	2	3	24	36
Other Perennial Forbs	N/A	PPFF	9	2	10	24	120
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
phacelia	Phacelia	PHACE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
balsamroot	Balsamorhiza	BALSA				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
fleabane	Erigeron	ERIGE2				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
western stoneseed	Lithospermum ruderales	LIRU4				0	0
deathcamas	Zigadenus	ZIGAD				0	0
mariposa lily	Calochortus	CALOC				0	0
pincushion	Chaenactis	CHAEN				0	0
						0	0
						0	0
						0	0
Shrubs				24%	25%	204	396
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	15	120	180
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	12	5	10	60	120
Other Shrubs	N/A	SSSS	15	2	8	24	96
granite prickly phlox	Leptodactylon pungens	LEPU				0	0
spineless horsebrush	Tetradymia canescens	TECA2				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
rose	Rosa	ROSA5				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
snowberry (Symph.)	Symphoricarpos	SYMPH				0	0
chokecherry	Prunus virginiana	PRVI				0	0
						0	0
Trees				0%	0%	0	0
						0	0
						0	0
Totals				100%	100%	864	1608

Site Name	SHRUBBY LOAM 12-16 PZ				
Site Number	021XY211OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.17	0.24
	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 few (shallow rooted grasses)				
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 = 4-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep, well drained loams (sometimes gravelly or stony on the surface): Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High amount of plant cover (60-80%), rock fragments and moderate slopes (1-25%) effectively limit rainfall impact and overland flow; infiltration is moderate to moderately slow				
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 > antelope bitterbrush > sandberg bluegrass = basin big sagebrush > other grasses = other shrubs > other 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]	10-40% (< 1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1400, Normal: 1200, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		SHALLOW LOAM 14-18 PZ					
Site Number		021XY212OR					
Plant Association		FEID/PUTR2-ARTRV					
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				71%	67%	441	774
Idaho fescue	Festuca idahoensis	FEID	1	30	50	270	450
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	10	15	90	135
basin wildrye	Leymus cinereus	LECT4	2	2	5	18	45
Sandberg bluegrass	Poa secunda	POSE	4	3	6	27	54
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	18	45
Other Perennial Grasses	N/A	PPGG	5	2	5	18	45
western needlegrass	Achnatherum occidentale	ACOC3				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				7%	10%	45	117
lupine	Lupinus	LUPIN	7	1	2	9	18
milkvetch	Astragalus	ASTRA	7	1	2	9	18
phlox	Phlox	PHLOX	7	1	2	9	18
lomatium (gen.)	Lomatium	LOMAT	7	1	2	9	18
Other Perennial Forbs	N/A	PPFF	9	1	5	9	45
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
flax	Linum	LINUM				0	0
fleabane	Erigeron	ERIGE2				0	0
woolly plantain	Plantago patagonica	PLPA2				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				19%	19%	117	225
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	15	90	135
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	2	5	18	45
Other Shrubs	N/A	SSSS	15	1	5	9	45
chokecherry	Prunus virginiana	PRVI				0	0
wax currant	Ribes cereum	RICE				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
horsebrush	Tetradymia	TETRA3				0	0
rose	Rosa	ROSA5				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
mountain snowberry	Symphoricarpos oreophilus	SYOR2				0	0
						0	0
Trees				3%	4%	18	45
western juniper	Juniperus occidentalis	JUOC	16	2	5	18	45
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	621	1161

Site Name	SHALLOW LOAM 14-18 PZ				
Site Number	021XY212OR				
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	0.05	0.14	0.23	0.32
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight to moderately severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None to few (shallow rooted grasses)				
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 = 4-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained loams (sometimes gravelly or stony on the surface): Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High amount of plant cover (70-90%), rock fragments, and moderate slopes (0-30%) effectively limit rainfall impact and overland flow; infiltration is moderate to moderately slow				
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 = antelope bitterbrush > dominant grasses > dominant forbs > mountain big sagebrush = other grasses > other forbs = other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-30% (< 1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 900, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		CLAYPAN 14-18 PZ					
Site Number		021XY214OR					
Plant Association		FEID-PSSP6/ARAR8					
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				69%	64%	486	819
Idaho fescue	Festuca idahoensis	FEID	1	40	60	360	540
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	10	20	90	180
Sandberg bluegrass	Poa secunda	POSE	4	3	6	27	54
Other Perennial Grasses	N/A	PPGG	5	1	5	9	45
onespike danthonia	Danthonia unispicata	DAUN				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
sedge	Carex	CAREX				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
						0	0
						0	0
						0	0
Forbs				6%	9%	45	117
lomatium (gen.)	Lomatium	LOMAT	7	1	2	9	18
woolly plantain	Plantago patagonica	PLPA2	7	1	2	9	18
Hooker's balsamroot	Balsamorhiza hookeri	BAHO	7	1	2	9	18
phlox	Phlox	PHLOX	7	1	2	9	18
Other Perennial Forbs	N/A	PPFF	9	1	5	9	45
lupine	Lupinus	LUPIN				0	0
mariposa lily	Calochortus	CALOC				0	0
milkvetch	Astragalus	ASTRA				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
fleabane	Erigeron	ERIGE2				0	0
largehead clover	Trifolium macrocephalum	TRMA3				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				18%	20%	126	261
low sagebrush	Artemisia arbuscula	ARAR8	11	10	20	90	180
antelope bitterbrush	Purshia tridentata	PUTR2	12	2	5	18	45
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	1	2	9	18
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	1	2	9	18
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				6%	7%	45	90
western juniper	Juniperus occidentalis	JUOC	16	5	10	45	90
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	702	1287

Site Name	CLAYPAN 14-18 PZ				
Site Number	021XY214OR				
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	0.25	0.36
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some to few in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, 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 = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow (to claypan) loams, clay loams or silty clay loams (< 30% rock fragments in the surface layer); Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High amount of plant cover (70-90%), rock fragments, and gentle slopes (0-15%) effectively limit rainfall impact and overland flow; infiltration is moderately slow to slow				
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 = low sagebrush > dominant shrubs > dominant forbs > other grasses = other 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]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 900, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		CLAYPAN 14-20 PZ					
Site Number		021XY215OR draft					
Plant Association		FEID-POSE/ARAR8					
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				75%	65%	392	600
Idaho fescue	Festuca idahoensis	FEID	1	35	50	280	400
Sandberg bluegrass	Poa secunda	POSE	4	10	15	80	120
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	2	5	16	40
onespike danthonia	Danthonia unispicata	DAUN	4	1	2	8	16
Other Perennial Grasses	N/A	PPGG	5	1	3	8	24
prairie Junegrass	Koeleria macrantha	KOMA				0	0
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
sedge	Carex	CAREX				0	0
						0	0
						0	0
						0	0
Forbs				3%	10%	16	96
Other Perennial Forbs	N/A	PPFF	9	2	12	16	96
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
lupine	Lupinus	LUPIN				0	0
pussytoes	Antennaria	ANTEN				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
beardtongue	Penstemon	PENST				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
fleabane	Erigeron	ERIGE2				0	0
milkvetch	Astragalus	ASTRA				0	0
largehead clover	Trifolium macrocephalum	TRMA3				0	0
wild onion	Allium	ALLIU				0	0
rockcress (Aribis)	Arabis	ARABI2				0	0
sandwort (Aren.)	Arenaria	ARENA				0	0
yampah	Perideridia	PERID				0	0
serrate balsamroot	Balsamorhiza serrata	BASE2				0	0
						0	0
						0	0
						0	0
Shrubs				20%	23%	104	208
low sagebrush	Artemisia arbuscula	ARAR8	11	10	20	80	160
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	2	3	16	24
Other Shrubs	N/A	SSSS	15	1	3	8	24
antelope bitterbrush	Purshia tridentata	PUTR2				0	0
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				2%	2%	8	16
western juniper	Juniperus occidentalis	JUOC	16	1	2	8	16
						0	0
Totals				100%	100%	520	920

Site Name		CLAYPAN 14-20 PZ				
Site Number		021XY215OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.06	0.10	0.14
		High	0.04	0.11	0.18	0.25
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, slight to moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some in interspaces					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some (shallow rooted grasses)					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-30%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, 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 = 5-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow or moderately deep, well drained loams, silty loams, and clay loams: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative (50-60%), rock fragment cover (10-30%), and gentle slopes (0-15%) effectively limit rainfall impact and overland flow; infiltration is slow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > low sagebrush > sandberg bluegrass > shrubby buckwheat > other grasses = forbs = other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		STONY CLAYPAN 14-20 PZ					
Site Number		021XY216OR					
Plant Association		FEID-PSSP6/ARAR8					
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				62%	61%	352	720
Idaho fescue	Festuca idahoensis	FEID	1	30	55	240	440
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	5	15	40	120
Sandberg bluegrass	Poa secunda	POSE	4	5	10	40	80
onespike danthonia	Danthonia unispicata	DAUN	4	2	5	16	40
Other Perennial Grasses	N/A	PPGG	5	2	5	16	40
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
smooth brome	Bromus inermis	BRIN2				0	0
						0	0
						0	0
						0	0
Forbs				11%	12%	64	144
Hooker's balsamroot	Balsamorhiza hookeri	BAHO	7	2	5	16	40
buckwheat (Eriog.)	Eriogonum	ERIOG	8	1	2	8	16
agoseris	Agoseris	AGOSE	8	1	2	8	16
lomatium (gen.)	Lomatium	LOMAT	8	1	2	8	16
largehead clover	Trifolium macrocephalum	TRMA3	8	1	2	8	16
wild onion	Allium	ALLIU	8	1	2	8	16
Other Perennial Forbs	N/A	PPFF	9	1	3	8	24
fleabane	Erigeron	ERIGE2				0	0
groundsel	Senecio	SENEC				0	0
lupine	Lupinus	LUPIN				0	0
milkvetch	Astragalus	ASTRA				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				20%	20%	112	240
low sagebrush	Artemisia arbuscula	ARAR8	11	10	20	80	160
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	2	5	16	40
Other Shrubs	N/A	SSSS	15	2	5	16	40
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV				0	0
wax currant	Ribes cereum	RICE				0	0
antelope bitterbrush	Purshia tridentata	PUTR2				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				7%	7%	40	80
western juniper	Juniperus occidentalis	JUOC	16	5	10	40	80
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	568	1184

Site Name	STONY CLAYPAN 14-20 PZ				
Site Number	021XY216OR				
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	0.05	0.14	0.23	0.33
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some to few in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	None to some (shallow rooted grasses)				
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 = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow (to claypan), well drained (with 35+% surface rock fragments) loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative (70-80%), rock fragment cover (20-40%), and gentle slopes (1-10%) effectively limit rainfall impact and overland flow; infiltration is slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > low sagebrush > sandberg bluegrass > onespoke oatgrass > bluebunch wheatgrass = dominant forbs > shrubby buckwheat = other grasses = other shrubs > other 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]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		SHRUBBY LOAM 16-20 PZ					
Site Number		021XY218OR draft					
Plant Association		FEID/PUTR2-ARTRV					
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				69%	64%	663	1274
Idaho fescue	Festuca idahoensis	FEID	1	35	50	455	650
Sandberg bluegrass	Poa secunda	POSE	4	5	10	65	130
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	2	5	26	65
basin wildrye	Leymus cinereus	LECT4	2	1	2	13	26
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	1	2	13	26
Other Perennial Grasses	N/A	PPGG	5	1	5	13	65
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
Ross' sedge	Carex rossii	CARO5				0	0
western needlegrass	Achnatherum occidentale	ACOC3				0	0
Forbs				4%	8%	39	156
lupine	Lupinus	LUPIN	7	1	2	13	26
milkvetch	Astragalus	ASTRA	7	1	2	13	26
Other Perennial Forbs	N/A	PPFF	9	1	8	13	104
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
phacelia	Phacelia	PHACE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
balsamroot	Balsamorhiza	BALSA				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
fleabane	Erigeron	ERIGE2				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
western stoneseed	Lithospermum ruderales	LIRU4				0	0
deathcamas	Zigadenus	ZIGAD				0	0
mariposa lily	Calochortus	CALOC				0	0
pincushion	Chaenactis	CHAEN				0	0
sandwort (Arena.)	Arenaria	ARENA				0	0
						0	0
Shrubs				24%	25%	234	494
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	15	130	195
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	5	15	65	195
Other Shrubs	N/A	SSSS	15	3	8	39	104
granite prickly phlox	Leptodactylon pungens	LEPU				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
rose	Rosa	ROSA5				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3				0	0
snowberry (Symph.)	Symphoricarpos	SYMPH				0	0
chokecherry	Prunus virginiana	PRVI				0	0
						0	0
Trees				3%	3%	26	65
western juniper	Juniperus occidentalis	JUOC	16	1	3	13	39
ponderosa pine	Pinus ponderosa	PIPO	17	1	2	13	26
Totals				100%	100%	962	1989

Site Name		SHRUBBY LOAM 16-20 PZ				
Site Number		021XY218OR draft				
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	0.19	0.27
		High	0.08	0.24	0.39	0.55
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, slight to moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	1-5%					
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 deep, well drained and somewhat excessively drained loams and ashy silt loams: Low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Relatively high vegetative cover (60-80%) and moderate slopes (0-25%) effectively limit rainfall impact and overland flow; infiltration is moderately slow to moderately rapid					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > antelope bitterbrush > mountain big sagebrush > sandberg bluegrass > other grasses > other shrubs > 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]	10-40% (< 0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1500, 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. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name	SOUTH SLOPES 10-14 PZ				
Site Number	021XY300OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.08	0.13	0.18
	High	0.04	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, moderate to severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, 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]	Slightly to moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep, well drained loams and clay loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (30-50%), surface rock fragments (35%), and moderate slopes (30-50%) moderately limit rainfall impact and overland flow; infiltration is moderately slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > antelope bitterbrush > wyoming big sagebrush > thurber needlegrass > forbs > other grassees > other shrubs > 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]	10-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 800, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		JUNIPER SOUTH 12-16 PZ					
Site Number		021XY301OR draft					
Plant Association		PSSP6-POSE/PUTR2-ARTRT/JUOC					
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				71%	65%	352	600
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	35	50	280	400
Sandberg bluegrass	Poa secunda	POSE	4	5	10	40	80
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	16	40
Idaho fescue	Festuca idahoensis	FEID	2	1	5	8	40
Other Perennial Grasses	N/A	PPGG	5	1	5	8	40
prairie Junegrass	Koeleria macrantha	KOMA				0	0
basin wildrye	Leymus cinereus	LECI4				0	0
Lemmon's needlegrass	Achnatherum lemmonii	ACLE8				0	0
						0	0
Forbs				2%	5%	8	48
Other Perennial Forbs	N/A	PPFF	9	1	6	8	48
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
phacelia	Phacelia	PHACE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
western stoneseed	Lithospermum ruderales	LIRU4				0	0
deathcamas	Zigadenus	ZIGAD				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
fleabane	Erigeron	ERIGE2				0	0
beardtongue	Penstemon	PENST				0	0
lupine	Lupinus	LUPIN				0	0
milkvetch	Astragalus	ASTRA				0	0
pussytoes	Antennaria	ANTEN				0	0
						0	0
						0	0
Shrubs				19%	22%	96	200
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	10	40	80
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	12	2	5	16	40
Other Shrubs	N/A	SSSS	15	5	10	40	80
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0
shrubby buckwheat	Eriogonum microthecum	ERMI4				0	0
wax currant	Ribes cereum	RICE				0	0
spineless horsebrush	Tetradymia canescens	TECA2				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3				0	0
snowberry (Symph.)	Symphoricarpos	SYMPH				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
						0	0
Trees				8%	9%	40	80
western juniper	Juniperus occidentalis	JUOC	16	5	10	40	80
						0	0
Totals				100%	100%	496	928

Site Name JUNIPER SOUTH 12-16 PZ					
Site Number 021XY301OR draft					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.06	0.10	0.14
	High	0.04	0.11	0.18	0.26
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, moderate to severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some in interspaces (depending on slope)				
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]	Slightly to moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep, well drained, stony or very gravelly loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (50-70%), frequent outcrops of bedrock, and gentle to very steep slopes (15-70%) moderately limit rainfall impact and overland flow; infiltration is moderately slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > sandberg bluegrass = antelope bitterbrush = other shrubs > thurber needlegrass = basin big sagebrush > other shrubs > other grasses = other 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]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: , Normal: , Unfavorable: lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	NORTH SLOPES 10-14 PZ				
Site Number	021XY302OR				
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	0.05	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, moderate to severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	Some to few; limited by vegetation density				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-30%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, 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 = 4-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep, well drained loams and stony loams: Moderate OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (55-70%) provides some protection from run off; slopes range from 15-65%: infiltration is moderately rapid				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > basin big sagebrush > dominant forbs > other grasses > other forbs > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1300, Normal: 900, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper may invade the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		STONY CLAYPAN SOUTH 14-18 PZ					
Site Number		021XY306OR					
Plant Association		PSSP6-FEID-POSE/ARAR8					
Normal Lbs./Ac.		500					
Range of composition and weight of species in HCPC with normal production:				% Comp. by Wt.		Lbs./Acre	
Common Name	Scientific Name	Symbol	Group	Low	High	Low	High
Grasses & Grass-like Plants				76%	69%	310	450
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	30	40	150	200
Idaho fescue	Festuca idahoensis	FEID	2	15	20	75	100
Sandberg bluegrass	Poa secunda	POSE	4	10	15	50	75
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	5	10	25	50
Other Perennial Forbs	N/A	PPFF	5	2	5	10	25
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Forbs				9%	12%	35	80
snow buckwheat	Eriogonum niveum	ERNI2	7	2	3	10	15
woolly plantain	Plantago patagonica	PLPA2	7	1	2	5	10
largehead clover	Trifolium macrocephalum	TRMA3	8	1	2	5	10
lomatium (gen.)	Lomatium	LOMAT	8	1	2	5	10
phlox	Phlox	PHLOX	8	1	2	5	10
Other Perennial Forbs	N/A	PPFF	9	1	5	5	25
lupine	Lupinus	LUPIN				0	0
phacelia	Phacelia	PHACE				0	0
larkspur	Delphinium	DELPH				0	0
mariposa lily	Calochortus	CALOC				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				16%	19%	65	125
low sagebrush	Artemisia arbuscula	ARAR8	11	10	20	50	100
Other Shrubs	N/A	SSSS	15	3	5	15	25
antelope bitterbrush	Purshia tridentata	PUTR2				0	0
shrubby buckwheat	Eriogonum microthecum	ERMI4				0	0
Wyoming big sagebrush	Artemisia tridentata ssp. wyomingensis	ARTRW8				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
						0	0
						0	0
Totals				100%	100%	410	655

Site Name	STONY CLAYPAN SOUTH 14-18 PZ				
Site Number	021XY306OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.05	0.08	0.11
	High	0.03	0.08	0.13	0.18
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, significant sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some to Few in interspaces on steeper slopes (30-70%)				
3. Number and height of erosional pedestals or terracettes [1.0]	Some (shallow rooted grasses)				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-20%				
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]	Slightly resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow (to dense clay layer), very stony loams (35+% surface rock fragments): Low OM (<1%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (50-70%) reduces potential excess run off on all but steepest slopes (30-70%); infiltration is slow				
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 > low sagebrush > sandberg bluegrass > thurber needlegrass > 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]	10-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 800, Normal: 500, Unfavorable: 300 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper may invade the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	SOUTH SLOPES 14-18 PZ						
Site Number	021XY308OR						
Plant Association	PSSP6/ARTRV-PUTR2						
Normal Lbs./Ac.	900						
Range of composition and weight of species in HCPC with normal production:				% Comp. by Wt.		Lbs./Acre	
Common Name	Scientific Name	Symbol	Group	Low	High	Low	High
Grasses & Grass-like Plants				76%	63%	450	873
bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	PSSP6	1	40	60	360	540
Idaho fescue	<i>Festuca idahoensis</i>	FEID	2	2	10	18	90
Sandberg bluegrass	<i>Poa secunda</i>	POSE	4	5	10	45	90
Thurber's needlegrass	<i>Achnatherum thurberianum</i>	ACTH7	2	1	2	9	18
Other Perennial Grasses	N/A	PPGG	5	2	15	18	135
western needlegrass	<i>Achnatherum occidentale</i>	ACOC3				0	0
mountain brome	<i>Bromus marginatus</i>	BRMA4				0	0
Cusick's bluegrass	<i>Poa cusickii</i>	POCU3				0	0
Lemmon's needlegrass	<i>Achnatherum lemmonii</i>	ACLE8				0	0
bulbous oniongrass	<i>Melica bulbosa</i>	MEBU				0	0
bottlebrush squirreltail	<i>Elymus elymoides</i>	ELEL5				0	0
prairie Junegrass	<i>Koeleria macrantha</i>	KOMA				0	0
Forbs				8%	10%	45	144
arrowleaf balsamroot	<i>Balsamorhiza sagittata</i>	BASA3	7	2	5	18	45
tapertip hawksbeard	<i>Crepis acuminata</i>	CRAC2	8	1	3	9	27
lupine	<i>Lupinus</i>	LUPIN	8	1	3	9	27
Other Perennial Forbs	N/A	PPFF	9	1	5	9	45
buckwheat (Eriog.)	<i>Eriogonum</i>	ERIOG				0	0
oneflower helianthella	<i>Helianthella uniflora</i>	HEUN				0	0
milkvetch	<i>Astragalus</i>	ASTRA				0	0
woolly mule-ears	<i>Wyethia mollis</i>	WYMO				0	0
goatsbeard	<i>Tragopogon</i>	TRAGO				0	0
naked mariposa lily	<i>Calochortus nudus</i>	CANU2				0	0
Indian paintbrush	<i>Castilleja</i>	CASTI2				0	0
phacelia	<i>Phacelia</i>	PHACE				0	0
phlox	<i>Phlox</i>	PHLOX				0	0
common yarrow	<i>Achillea millefolium</i>	ACMI2				0	0
lomatium (gen.)	<i>Lomatium</i>	LOMAT				0	0
pussytoes	<i>Antennaria</i>	ANTEN				0	0
						0	0
Shrubs				14%	20%	81	270
mountain big sagebrush	<i>Artemisia tridentata</i> ssp. <i>vaseyana</i>	ARTRV	11	5	10	45	90
antelope bitterbrush	<i>Purshia tridentata</i>	PUTR2	12	2	10	18	90
Other Shrubs	N/A	SSSS	15	2	10	18	90
gray rabbitbrush	<i>Ericameria nauseosa</i>	ERNA10				0	0
green rabbitbrush	<i>Chrysothamnus viscidiflorus</i>	CHVI8				0	0
Klamath plum	<i>Prunus subcordata</i>	PRSU2				0	0
spineless horsebrush	<i>Tetradymia canescens</i>	TECA2				0	0
Saskatoon serviceberry	<i>Amelanchier alnifolia</i>	AMAL2				0	0
currant	<i>Ribes</i>	RIBES				0	0
wax currant	<i>Ribes cereum</i>	RICE				0	0
squaw apple	<i>Peraphyllum ramosissimum</i>	PERA4				0	0
low sagebrush	<i>Artemisia arbuscula</i>	ARAR8				0	0
						0	0
Trees				3%	7%	18	90
western juniper	<i>Juniperus occidentalis</i>	JUOC	16	2	10	18	90
						0	0
						0	0
Totals				100%	100%	594	1377

Site Name	SOUTH SLOPES 14-18 PZ				
Site Number	021XY308OR				
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	0.05	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 to severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some in interspaces on steeper slopes (15-70%)				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, 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 = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep, well drained stony loams (35+% surface rock fragments): Moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (40-60%) reduces potential excess run off on all but steepest slopes (15-70%); infiltration is moderately slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > other grasses > mountain big sagebrush > idaho fescue = antelope bitterbrush > dominant forbs > other shrubs > other 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]	5-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 900, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name	SHALLOW NORTH 14-18 PZ				
Site Number	021XY310OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.08	0.13	0.18
	High	0.04	0.13	0.21	0.30
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, moderate to severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	Some to few; limited by vegetation density				
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 = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow to deep (limited by a claypan or subsurface layer with > 50% rock fragments), well drained gravelly or stony loams or cobbly clay loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (55-70%) provides some protection from run off; slopes range from 30-70%: infiltration is slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > low sagebrush > bluebunch wheatgrass > antelope bitterbrush = sandberg bluegrass = dominant forbs > other grasses = other forbs = other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 900, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species and forbs will increase with deterioration of plant community. Western Juniper may invade the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		NORTH SLOPES 14-18 PZ					
Site Number		021XY312OR					
Plant Association		FEID/PUTR2					
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				86%	81%	640	1050
Idaho fescue	Festuca idahoensis	FEID	1	50	70	500	700
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	5	15	50	150
Sandberg bluegrass	Poa secunda	POSE	4	5	10	50	100
basin wildrye	Leymus cinereus	LECI4	2	2	5	20	50
Other Perennial Grasses	N/A	PPGG	5	2	5	20	50
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
oniongrass (gen.)	Melica	MELIC				0	0
sedge	Carex	CAREX				0	0
						0	0
						0	0
						0	0
Forbs				1%	4%	10	50
Other Perennial Forbs	N/A	PPFF	9	1	5	10	50
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0
lupine	Lupinus	LUPIN				0	0
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
fleabane	Erigeron	ERIGE2				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
groundsel	Senecio	SENEC				0	0
prairiesmoke	Geum triflorum	GETR				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				12%	15%	90	200
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	10	50	100
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	2	5	20	50
Other Shrubs	N/A	SSSS	15	2	5	20	50
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
rose	Rosa	ROSA5				0	0
common snowberry	Symphoricarpos albus	SYAL				0	0
						0	0
						0	0
						0	0
Trees				0%	0%	0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	740	1300

Site Name	NORTH SLOPES 14-18 PZ				
Site Number	021XY312OR				
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	0.15	0.26	0.36
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some, moderate to severe sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	Some in interspaces				
3. Number and height of erosional pedestals or terracettes [1.0]	Some to few; limited by vegetation density				
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 = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to very deep, well drained gravelly or stony loam (> 35% surface rock fragments); Moderate OM (1-4%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover (60-80%) provides protection from run off; slopes range from 30-70%: infiltration is slow to rapid				
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 bluegrass = antelope bitterbrush > basin wildrye = other grasses = other 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]	10-20% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1500, Normal: 1000, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		DRY MEADOW					
Site Number		021XY314OR					
Plant Association		POSE/ARCA13					
Normal Lbs./Ac.		1400					
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				83%	80%	840	1232
Sandberg bluegrass	Poa secunda	POSE	3	50	65	700	910
sedge	Carex	CAREX	2	1	3	14	42
common spikerush	Eleocharis palustris	ELPA3	2	1	3	14	42
Baltic rush	Juncus balticus	JUBA	2	1	2	14	28
upland bentgrass	Agrostis perennans	AGPE	4	1	2	14	28
mat muhly	Muhlenbergia richardsonis	MURI	4	1	2	14	28
slender wheatgrass	Elymus trachycaulus	ELTR7	2	2	5	28	70
meadow barley	Hordeum brachyantherum	HOB2	2	1	2	14	28
timothy	Phleum pratense	PHPR3	2	1	2	14	28
Idaho fescue	Festuca idahoensis	FEID	2	1	2	14	28
						0	0
						0	0
Forbs				1%	5%	14	70
Other Perennial Forbs	N/A	PPFF	9	1	5	14	70
clover	Trifolium	TRIFO				0	0
agosseris	Agoseris	AGOSE				0	0
brodiaea	Brodiaea	BRODI				0	0
buttercup	Ranunculus	RANUN				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
cinquefoil	Potentilla	POTEN				0	0
common dandelion	Taraxacum officinale	TAOF				0	0
curly dock	Rumex crispus	RUCR				0	0
giant hyssop	Agastache	AGAST				0	0
iris	Iris	IRIS				0	0
lupine	Lupinus	LUPIN				0	0
owl's-clover (Ortho.)	Orthocarpus	ORTHO				0	0
western pearly everlasting	Anaphalis margaritacea	ANMA				0	0
beardtongue	Penstemon	PENST				0	0
Gardner's yampah	Perideridia gairdneri	PEGA3				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
						0	0
						0	0
						0	0
Shrubs				15%	15%	154	238
silver sagebrush	Artemisia cana	ARCA13	11	10	15	140	210
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8	12	1	2	14	28
						0	0
						0	0
						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%	1008	1540

Site Name	DRY MEADOW				
Site Number	021XY314OR				
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	0.06	0.18	0.30	0.43
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-40%				
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 or deep, well drained (with seasonably high water table) loams and clay loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (45-55%), high cover of litter (to 60%), and moderate to very steep slopes (30-70%) effectively to moderately limit rainfall impact and overland flow; infiltration is very slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Sandberg bluegrass > silver sagebrush > slender wheatgrass > other grasses > forbs > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	20-60% (< 1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1600, Normal: 1400, Unfavorable: 1200 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species (silver sagebrush) and weedy forbs (willowweed and tarweed) 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	ROCKY RIDGES 14+ PZ				
Site Number	021XY402OR				
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	0.06	0.17	0.28	0.40
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	Some, significant sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to many on steeper slopes (up to 70%)				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, 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 slightly resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained loams, gravelly loams, and stony loams; associated with rock outcrops: Low OM (< 1%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (45-55%) and gentle to very steep slopes (0-70%) effectively to moderately limit rainfall impact and overland flow; infiltration is moderate				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > curlleaf mountain mahogany > mountain big sagebrush > dominant shrubs > forbs > other grasses = other shrubs > 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]	5-15%				
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 brush species will increase with deterioration of plant community on the deeper soils. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		MAHOGANY ROCKLAND 10-20 PZ					
Site Number		021XY403OR draft					
Plant Association		FEID-PSSP6/PUTR2-CELE3					
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				72%	65%	530	980
Idaho fescue	Festuca idahoensis	FEID	1	35	45	350	450
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	5	15	50	150
Sandberg bluegrass	Poa secunda	POSE	4	5	10	50	100
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	20	50
Ross' sedge	Carex rossii	CARO5	2	1	2	10	20
Other Perennial Grasses	N/A	PPGG	5	1	5	10	50
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
western needlegrass	Achnatherum occidentale	ACOC3				0	0
Forbs				3%	5%	20	80
Other Perennial Forbs	N/A	PPFF	9	2	8	20	80
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
phacelia	Phacelia	PHACE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
fleabane	Erigeron	ERIGE2				0	0
beardtongue	Penstemon	PENST				0	0
lupine	Lupinus	LUPIN				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
pussytoes	Antennaria	ANTEN				0	0
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0
prairie flax	Linum lewisii	LILE3				0	0
hawksbeard	Crepis	CREPI				0	0
blue eyed Mary	Collinsia	COLLI				0	0
lambstongue ragwort	Senecio integerrimus	SEIN2				0	0
						0	0
						0	0
						0	0
Shrubs				20%	23%	150	340
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	10	50	100
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3	11	5	10	50	100
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	1	2	10	20
wax currant	Ribes cereum	RICE	14	1	2	10	20
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	1	2	10	20
Other Shrubs	N/A	SSSS	15	2	8	20	80
sulphur-flower buckwheat	Eriogonum umbellatum	ERUM				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
common snowberry	Symphoricarpos albus	SYAL				0	0
chokecherry	Prunus virginiana	PRVI				0	0
						0	0
Trees				5%	7%	40	100
western juniper	Juniperus occidentalis	JUOC	16	2	5	20	50
ponderosa pine	Pinus ponderosa	PIPO	16	2	5	20	50
						0	0
Totals				100%	100%	740	1500

Site Name		MAHOGANY ROCKLAND 10-20 PZ				
Site Number		021XY403OR draft				
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	0.06	0.18	0.30	0.42
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Significantly resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow and very shallow, well drained, stony loams (very rocky or bouldery with soil material in the crevasses between rocks): Low OM (< 1%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Vegetative cover to 100% and gentle to moderate slopes (1-50%) effectively limit rainfall impact and overland flow; infiltration is rapid					
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 > western needlegrass = antelope bitterbrush = curleaf mountain mahogany > trees > other grassees = other 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]	20-45% (< 1.0")					
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]	Mountain mahogany is a weak sprouter and is easily damaged by fire. Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		WET MEADOW					
Site Number		021XY406OR					
Plant Association		DECA18-CANE2					
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				89%	81%	1650	2700
tufted hairgrass	Deschampsia caespitosa	DECA18	1	50	65	1250	1625
Nebraska sedge	Carex nebrascensis	CANE2	2	5	8	125	200
Baltic rush	Juncus balticus	JUBA	2	3	5	75	125
northern mangrass	Glyceria borealis	GLBO	2	3	5	75	125
reedgrass	Calamagrostis	CALAM	2	3	5	75	125
Other Perennial Grasses	N/A	PPGG	5	2	20	50	500
oatgrass (Danth.)	Danthonia	DANTH				0	0
American sloughgrass	Beckmannia syzigachne	BESY				0	0
meadow barley	Hordeum brachyantherum	HOBR2				0	0
sedge	Carex	CAREX				0	0
Sandberg bluegrass	Poa secunda	POSE				0	0
creeping wildrye	Leymus triticoides	LETR5				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
slender wheatgrass	Elymus trachycaulus	ELTR7				0	0
Forbs				5%	11%	100	350
clover	Trifolium	TRIFO	7	1	2	25	50
western aster	Symphyotrichum ascendens	SYAS3	7	1	2	25	50
buttercup	Ranunculus	RANUN	7	1	2	25	50
Other Perennial Forbs	N/A	PPFF	9	1	8	25	200
foothill arnica	Arnica fulgens	ARFU3				0	0
cinquefoil	Potentilla	POTEN				0	0
threepetal bedstraw	Galium trifidum	GATR2				0	0
iris	Iris	IRIS				0	0
primrose monkeyflower	Mimulus primuloides	MIPR				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
rosy pussytoes	Antennaria rosea	ANRO2				0	0
groundsel	Senecio	SENEC				0	0
strawberry	Fragaria	FRAGA				0	0
						0	0
						0	0
						0	0
Shrubs				3%	4%	50	125
Other Shrubs	N/A	SSSS	15	2	5	50	125
wax currant	Ribes cereum	RICE				0	0
silver sagebrush	Artemisia cana	ARCA13				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				3%	5%	50	150
quaking aspen	Populus tremuloides	POTR5	18	1	3	25	75
willow	Salix	SALIX	18	1	3	25	75
						0	0
						0	0
						0	0
Totals				100%	100%	1850	3325

Site Name	WET MEADOW				
Site Number	021XY406OR				
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	0.13	0.39	0.66	0.92
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to few near streambanks				
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]	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, somewhat poorly or poorly drained loams, silt loams, or silty clay loams: Moderate OM (1-4%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	High amount of vegetative cover (80-90%) and nearly level slopes (0-2%) effectively limit rainfall impact and overland flow (high water table ranges from 6" to 36"); infiltration is moderate				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Tufted hairgrass > nebraska sedge > other grasses & grasslikes > other dominant grasses & grasslikes > other forbs > 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]	20-40% (1.0-2.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 3000, Normal: 2500, Unfavorable: 1500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Desirable grass functional groups can be replaced with baltic rush, sedges, or canary reedgrass. 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 LOAMY 16-20 PZ				
Site Number	021XY410OR				
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	0.13	0.22	0.31
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some (on steeper slopes - to 60%), moderate to significant sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some (on steeper slopes - to 60%)				
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]	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 loams, stony loams, and sandy loams (> 35% surface rock fragments on benches and hills, no rock fragments on terraces): Low to Moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (60-70%), litter cover, and moderate to steep slopes (0-60%) effectively to moderately limit rainfall impact and overland flow; infiltration is moderate to rapid				
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 > ross sedge = antelope bitterbrush > other dominant grasses = other grasses = forbs = other shrubs = ponderosa pine > 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]	5-15%				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 900, Unfavorable: 700 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper and Ponderosa Pine readily increase on the site (can be converted to woodland w/out fire). 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		PINE-MAHOGANY-FESCUE 16-20 PZ					
Site Number		021XY411OR draft					
Plant Association		FEID-CARO5/PUTR2-CELE3/PIPO					
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				66%	52%	470	670
Idaho fescue	Festuca idahoensis	FEID	1	35	40	350	400
Ross' sedge	Carex rossii	CARO5	2	5	10	50	100
Sandberg bluegrass	Poa secunda	POSE	4	2	5	20	50
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	2	3	20	30
western needlegrass	Achnatherum occidentale	ACOC3	2	1	2	10	20
prairie Junegrass	Koeleria macrantha	KOMA	4	1	2	10	20
Other Perennial Grasses	N/A	PPGG	5	1	5	10	50
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
Wheeler's bluegrass	Poa wheeleri	POWH2				0	0
mountain brome	Bromus marginatus	BRMA4				0	0
spike trisetum	Trisetum spicatum	TRSP2				0	0
						0	0
Forbs				1%	5%	10	60
Other Perennial Forbs	N/A	PPFF	9	1	6	10	60
lupine	Lupinus	LUPIN				0	0
phacelia	Phacelia	PHACE				0	0
hawkweed	Hieracium	HIERA				0	0
lambstongue ragwort	Senecio integerrimus	SEIN2				0	0
larkspur	Delphinium	DELPH				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
fleabane	Erigeron	ERIGE2				0	0
blue eyed Mary	Collinsia	COLLI				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
American vetch	Vicia americana	VIAM				0	0
						0	0
						0	0
						0	0
Shrubs				27%	33%	190	420
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	15	100	150
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3	12	5	10	50	100
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	2	5	20	50
wax currant	Ribes cereum	RICE	14	1	2	10	20
Other Shrubs	N/A	SSSS	15	1	10	10	100
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
chokecherry	Prunus virginiana	PRVI				0	0
squawcarpet	Ceanothus prostratus	CEPR				0	0
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0
low Oregon grape	Mahonia repens	MARE11				0	0
Woods' rose	Rosa woodsii	ROWO				0	0
						0	0
Trees				6%	10%	40	130
ponderosa pine	Pinus ponderosa	PIPO	16	3	10	30	100
western juniper	Juniperus occidentalis	JUOC	16	1	3	10	30
						0	0
						0	0
Totals				100%	100%	710	1280

Site Name	PINE-MAHOGANY-FESCUE 16-20 PZ				
Site Number	021XY411OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.08	0.14	0.20
	High	0.05	0.15	0.25	0.35
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None to some (on steeper slopes - to 50%), moderate to significant sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some (on steeper slopes - to 50%)				
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]	Significantly resistant to erosion: aggregate stability = 4-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to very deep, well drained cobbly and very stony loams: Low to Moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (50-60%), litter cover, and moderate slopes (1-50%) moderately limit rainfall impact and overland flow; infiltration is slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > antelope bitterbrush > ross sedge = curleaf mountain mahogany > other dominant grasses > other shrubs > ponderosa pine > 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]	10-15%				
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 brush species will increase with deterioration of plant community. Western Juniper and Ponderosa Pine readily increase on the site (can be converted to woodland w/out fire). 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 18+ PZ					
Site Number		021XY412OR					
Plant Association		CARO5-FEID/ARTRV-SYAL					
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				38%	44%	220	680
Ross' sedge	Carex rossii	CARO5	1	5	15	50	150
Idaho fescue	Festuca idahoensis	FEID	1	5	15	50	150
mountain brome	Bromus marginatus	BRMA4	1	5	15	50	150
western needlegrass	Achnatherum occidentale	ACOC3	2	2	5	20	50
bottlebrush squirreltail	Elymus elymoides	ELEL5	2	2	5	20	50
basin wildrye	Leymus cinereus	LECI4	2	1	3	10	30
Other Perennial Grasses	N/A	PPGG	5	2	10	20	100
timothy (gen.)	Phleum	PHLEU				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
slender wheatgrass	Elymus trachycaulus	ELTR7				0	0
oniongrass (gen.)	Melica	MELIC				0	0
						0	0
Forbs				22%	19%	130	290
mule-ears	Wyethia amplexicaulis	WYAM	7	5	10	50	100
lupine	Lupinus	LUPIN	7	5	10	50	100
phlox	Phlox	PHLOX	8	1	2	10	20
columbine	Aquilegia	AQUIL	8	1	2	10	20
Other Perennial Forbs	N/A	PPFF	9	1	5	10	50
common yarrow	Achillea millefolium	ACMI2				0	0
geranium	Geranium	GERAN				0	0
meadow-rue	Thalictrum	THALI2				0	0
groundsel	Senecio	SENEC				0	0
strawberry	Fragaria	FRAGA				0	0
heartleaf arnica	Arnica cordifolia	ARCO9				0	0
cinquefoil	Potentilla	POTEN				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				33%	31%	190	480
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	11	10	20	100	200
common snowberry	Symphoricarpos albus	SYAL	12	5	15	50	150
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	2	5	20	50
Other Shrubs	N/A	SSSS	15	2	8	20	80
rabbitbrush	Chrysothamnus	CHRYS9				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
rose	Rosa	ROSA5				0	0
bitter cherry	Prunus emarginata	PREM				0	0
chokecherry	Prunus virginiana	PRVI				0	0
currant	Ribes	RIBES				0	0
						0	0
Trees				7%	6%	40	90
quaking aspen	Populus tremuloides	POTR5	18	2	5	20	50
willow	Salix	SALIX	19	1	2	10	20
ponderosa pine	Pinus ponderosa	PIPO	17	1	2	10	20
						0	0
						0	0
Totals				100%	100%	580	1540

Site Name	LOAMY 18+ PZ				
Site Number	021XY412OR				
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	0.06	0.18	0.30	0.43
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, 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]	5-15%				
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 deep, well drained loams (> 35% rock fragments in the subsoil): Moderate to high OM (2-5%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover (60-90%), litter cover, and moderate slopes (10-40%) effectively limit rainfall impact and overland flow; infiltration is moderately slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Mountain big sagebrush > dominant forbs > snowberry = ross sedge = idaho fescue = mountain brome > trees > other grasses > other shrubs > other 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%				
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 brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		PINE-SEDGE-FESCUE 16-24 PZ				
Site Number		021XY414OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.05	0.09	0.12
		High	0.04	0.13	0.22	0.30
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes (to 60%)					
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]	< 1%					
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 = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained loams, gravelly loams and stony loams (15-50% rock fragments in the subsoil); Moderate to high OM (2-5%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover of over 125% and moderate slopes (1-45%) effectively limit rainfall impact and overland flow; infiltration is moderate to slow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > ross sedge > ponderosa pine > other dominant forbs > other dominant grasses = other dominant shrubs > other grasses = other shrubs > white fir					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	50-85% (to 2.0+")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper and Ponderosa Pine readily increase on the site (can be converted to woodland w/out fire). 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		ASPEN GROVE					
Site Number		021XY416OR					
Plant Association		POLE-POSE/SYAL/POTR5					
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				41%	42%	300	636
Leiberg's bluegrass	Poa leibergii	POLE	1	10	20	120	240
Sandberg bluegrass	Poa secunda	POSE	4	5	10	60	120
slender wheatgrass	Elymus trachycaulus	ELTR7	2	5	10	60	120
basin wildrye	Leymus cinereus	LECI4	2	2	5	24	60
oniongrass (gen.)	Melica	MELIC	2	1	3	12	36
Other Perennial Grasses	N/A	PPGG	5	2	5	24	60
meadow barley	Hordeum brachyantherum	HOBR2				0	0
mountain brome	Bromus marginatus	BRMA4				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
timothy (gen.)	Phleum	PHLEU				0	0
Columbia needlegrass	Achnatherum nelsonii	ACNE9				0	0
sedge	Carex	CAREX				0	0
Forbs				11%	14%	84	216
clover	Trifolium	TRIFO	7	2	5	24	60
American vetch	Vicia americana	VIAM	7	2	5	24	60
columbine	Aquilegia	AQUIL	8	1	3	12	36
Other Perennial Forbs	N/A	PPFF	9	2	5	24	60
common yarrow	Achillea millefolium	ACMI2				0	0
strawberry	Fragaria	FRAGA				0	0
monkshood	Aconitum	ACONI				0	0
heartleaf arnica	Arnica cordifolia	ARCO9				0	0
cinquefoil	Potentilla	POTEN				0	0
groundsel	Senecio	SENEC				0	0
lupine	Lupinus	LUPIN				0	0
meadow-rue	Thalictrum	THALI2				0	0
sticky purple geranium	Geranium viscosissimum	GEVI2				0	0
white sagebrush	Artemisia ludoviciana	ARLU				0	0
						0	0
						0	0
						0	0
Shrubs				28%	24%	204	360
common snowberry	Symphoricarpos albus	SYAL	11	10	15	120	180
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	11	5	10	60	120
Other Shrubs	N/A	SSSS	15	2	5	24	60
rose	Rosa	ROSA5				0	0
bitter cherry	Prunus emarginata	PREM				0	0
chokecherry	Prunus virginiana	PRVI				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				20%	19%	144	288
quaking aspen	Populus tremuloides	POTR5	18	10	20	120	240
alder	Alnus	ALNUS	19	1	2	12	24
willow	Salix	SALIX	19	1	2	12	24
						0	0
						0	0
Totals				100%	100%	732	1500

Site Name	ASPEN GROVE				
Site Number	021XY416OR				
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	0.14	0.20
	High	0.06	0.18	0.30	0.42
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight to moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	< 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, moderately well drained cobbly loams (> 35% rock fragments throughout the soil profile): Moderate to high OM (1-4%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover (70-90%), litter cover, and gentle slopes (5-20%) effectively limit rainfall impact and overland flow; infiltration is moderately slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Leiberg bluegrass > quaking aspen > snowberry > other dominant grasses > mountain big sagebrush > forbs > other grasses + other shrubs > other 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]	20-50%				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1800, Normal: 1200, Unfavorable: 1000 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush and weedy forb species will increase with deterioration of plant community. Western Juniper may invade the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		WET LOAMY TERRACE					
Site Number		021XY418OR					
Plant Association		FEID/SPDO-SYAL/PIPO					
Normal Lbs./Ac.		600					
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				26%	25%	90	168
Idaho fescue	Festuca idahoensis	FEID	1	10	15	60	90
western fescue	Festuca occidentalis	FEOC	2	2	5	12	30
prairie Junegrass	Koeleria macrantha	KOMA	4	1	3	6	18
Orcutt's brome	Bromus orcuttianus	BROR2	2	1	3	6	18
Ross' sedge	Carex rossii	CARO5	2	1	2	6	12
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Forbs				3%	4%	12	30
Other Perennial Forbs	N/A	PPFF	9	2	5	12	30
strawberry	Fragaria	FRAGA				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
western sweetroot	Osmorhiza occidentalis	OSOC				0	0
tall cinquefoil	Potentilla arguta	POAR7				0	0
avens	Geum	GEUM				0	0
white hawkweed	Hieracium albiflorum	HIAL2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
trumpet	Collomia	COLLO				0	0
blue eyed Mary	Collinsia	COLLI				0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				55%	53%	192	360
rose spirea	Spiraea douglasii	SPDO	13	20	30	120	180
common snowberry	Symphoricarpos albus	SYAL	12	5	10	30	60
pacific dewberry	Rubus vitifolius	RUVI4	14	1	5	6	30
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	1	5	6	30
rose	Rosa	ROSA5	14	1	2	6	12
oceanspray	Holodiscus discolor	HODI	14	1	2	6	12
squawcarpet	Ceanothus prostratus	CEPR	12	1	2	6	12
hollyleaved barberry	Mahonia aquifolium	MAAQ2	12	1	2	6	12
pinemat manzanita	Arctostaphylos nevadensis	ARNE	12	1	2	6	12
						0	0
						0	0
Trees				16%	18%	54	126
ponderosa pine	Pinus ponderosa	PIPO	16	5	10	30	60
willow	Salix	SALIX	18	1	5	6	30
incense cedar	Calocedrus decurrens	CADE27	17	1	2	6	12
white fir	Abies concolor	ABCO	17	1	2	6	12
Douglas-fir	Pseudotsuga menziesii	PSME	17	1	2	6	12
ponderosa pine	Pinus ponderosa	PIPO	17	1	2	6	12
Totals				100%	100%	348	684

Site Name	WET LOAMY TERRACE				
Site Number	021XY418OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.01	0.04	0.07	0.10
	High	0.03	0.08	0.14	0.19
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	< 5%				
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 a hardpan), moderately well drained or well drained loams (seasonally wet subsoil limits plant growth): Moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover of over 110% and gentle slopes (1-12%) effectively limit rainfall impact and overland flow; infiltration is moderate				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Rose spirea > idaho fescue > snowberry = ponderosa pine > western fescue = forbs > other 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]	20-50% (to 1.0")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 700, Normal: 600, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Lodgepole pine and other water loving species will increase with increased wetness. Douglas fir, white fir, and incense cedar will increase with decreasing wetness. 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		PINE-FIR-SEDGE 18-30 PZ					
Site Number		021XY422OR draft					
Plant Association		CAIN9-BRMA4/SYAL/ABGR-PIPO					
Normal Lbs./Ac.		700					
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				50%	36%	196	350
long-stolon sedge	Carex inops	CAIN9	1	10	15	70	105
Wheeler's bluegrass	Poa wheeleri	POWH2	1	10	15	70	105
mountain brome	Bromus marginatus	BRMA4	1	5	10	35	70
Ross' sedge	Carex rossii	CARO5	2	2	5	14	35
Other Perennial Grasses	N/A	PPGG	5	1	5	7	35
Idaho fescue	Festuca idahoensis	FEID				0	0
western needlegrass	Achnatherum occidentale	ACOC3				0	0
spike trisetum	Trisetum spicatum	TRSP2				0	0
blue wildrye	Elymus glaucus	ELGL				0	0
Sandberg bluegrass	Poa secunda	POSE				0	0
Forbs				2%	4%	7	35
Other Perennial Forbs	N/A	PPFF	9	1	5	7	35
lupine	Lupinus	LUPIN				0	0
agoseris	Agoseris	AGOSE				0	0
white hawkweed	Hieracium albiflorum	HIAL2				0	0
groundsel	Senecio	SENEC				0	0
heartleaf arnica	Arnica cordifolia	ARCO9				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
sticky cinquefoil	Potentilla glandulosa	POGL9				0	0
Brown's peony	Paeonia brownii	PABR				0	0
western pearly everlasting	Anaphalis margaritacea	ANMA				0	0
American vetch	Vicia americana	VIAM				0	0
phacelia	Phacelia	PHACE				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
fawnlily	Erythronium	ERYTH3				0	0
hawksbeard	Crepis	CREPI				0	0
wintergreen	Pyrola	PYROL				0	0
strawberry	Fragaria	FRAGA				0	0
violet	Viola	VIOLA				0	0
Shrubs				27%	29%	105	280
common snowberry	Symphoricarpos albus	SYAL	11	5	15	35	105
low Oregon grape	Mahonia repens	MARE11	12	2	5	14	35
squawcarpet	Ceanothus prostratus	CEPR	12	2	3	14	21
wax currant	Ribes cereum	RICE	14	1	2	7	14
Other Shrubs	N/A	SSSS	15	5	15	35	105
antelope bitterbrush	Purshia tridentata	PUTR2				0	0
rose	Rosa	ROSA5				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
bitter cherry	Prunus emarginata	PREM				0	0
chokecherry	Prunus virginiana	PRVI				0	0
sticky currant	Ribes viscosissimum	RIVI3				0	0
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3				0	0
western princepine	Chimaphila umbellata	CHUM				0	0
Trees				21%	32%	84	308
grand fir	Abies grandis	ABGR	16	5	20	35	140
ponderosa pine	Pinus ponderosa	PIPO	16	5	20	35	140
willow	Salix	SALIX	19	1	2	7	14
incense cedar	Calocedrus decurrens	CADE27	17	1	2	7	14
Totals				100%	100%	392	973

Site Name		PINE-FIR-SEDGE 18-30 PZ				
Site Number		021XY422OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.05	0.08	0.11
		High	0.04	0.12	0.19	0.27
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some (on steeper slopes - to 45%), moderate to significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some (on steeper slopes - to 45%)					
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]	< 1%					
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 cobbly or stony loams: Low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover of over 125% and gentle to moderate slopes (1-45%) effectively limit rainfall impact and overland flow; infiltration is moderate					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Long-stolon sedge > wheeler bluegrass > ponderosa pine = grand fir > snowberry > other shrubs > mountain brome > ross sedge > other grasses > forbs > other 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]	60-90% (< 2.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 700, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community (and after fire). Ponderosa Pine readily increases on the site (can be converted to woodland w/out fire). 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		JUNIPER CLAYPAN 16-20 PZ					
Site Number		021XY501OR draft					
Plant Association		FEID-POSE/ARAR8/JUOC					
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				76%	65%	472	664
Idaho fescue	Festuca idahoensis	FEID	1	45	50	360	400
Sandberg bluegrass	Poa secunda	POSE	4	10	15	80	120
onespike danthonia	Danthonia unispicata	DAUN	4	1	10	8	80
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	1	3	8	24
bottlebrush squirreltail	Elymus elymoides	ELEL5	2	1	2	8	16
Other Perennial Grasses	N/A	PPGG	5	1	3	8	24
prairie Junegrass	Koeleria macrantha	KOMA				0	0
Thurber's needlegrass	Achnatherum thurberianum	ACTH7				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				1%	8%	8	80
Other Perennial Forbs	N/A	PPFF	9	1	10	8	80
lupine	Lupinus	LUPIN				0	0
agoseris	Agoseris	AGOSE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
pussytoes	Antennaria	ANTEN				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
beardtongue	Penstemon	PENST				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
serrate balsamroot	Balsamorhiza serrata	BASE2				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
fleabane	Erigeron	ERIGE2				0	0
milkvetch	Astragalus	ASTRA				0	0
largehead clover	Trifolium macrocephalum	TRMA3				0	0
wild onion	Allium	ALLIU				0	0
rockcress (Aribis)	Arabis	ARABI2				0	0
ballhead sandwort	Arenaria congesta	ARCO5				0	0
yampah	Perideridia	PERID				0	0
whitestem frasera	Frasera albicaulis	FRAL2				0	0
						0	0
						0	0
						0	0
Shrubs				17%	20%	104	200
low sagebrush	Artemisia arbuscula	ARAR8	11	10	20	80	160
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	2	3	16	24
antelope bitterbrush	Purshia tridentata	PUTR2	12	1	2	8	16
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				6%	8%	40	80
western juniper	Juniperus occidentalis	JUOC	16	5	10	40	80
						0	0
						0	0
Totals				100%	100%	624	1024

Site Name JUNIPER CLAYPAN 16-20 PZ						
Site Number 021XY501OR draft						
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.07	0.12	0.17
		High	0.04	0.12	0.20	0.28
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
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]	Shallow to moderately deep, well drained cobbly loams: Low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (50-70%) and gentle slopes (1-10%) effectively limit rainfall impact and overland flow; infiltration is slow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > low sagebrush > sandberg bluegrass > western juniper > onespoke oatgrass = forbs > shrubby buckwheat > 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: 1000, Normal: 800, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush and weedy forb species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					

Site Name		EPHEMERAL LAKEBED				
Site Number		021XY503OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.03	0.10	0.17	0.24
		High	0.06	0.18	0.30	0.42
Rangeland Health Indicator [wt]		Potential for this Site				
1. Number and extent of rills [1.0]		None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]		None				
3. Number and height of erosional pedestals or terracettes [1.0]		None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]		10-50% depending on flooding/ponding/duration/depth				
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, moderate wind erosion hazard (may erode if soils are dry and plant cover is removed)				
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]		Seasonally flooded, deep or very deep, poorly drained clays, loams, or silty clay loams: Low OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]		Areas of the site with established stands of spikerush, rush, and/or sedges and gentle slopes (1-2%) effectively limit rainfall impact and overland flow; infiltration is very slow				
11. Presence and thickness of compaction layer [1.0]		None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]		Spikerush > sedge > other grasses > 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]		5-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]		Favorable: 1500, Normal: 1200, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]		Site is prone to compaction when soils are wet. Changes to plant community are related to changes in soil wetness. 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		JUNIPER CLAYPAN 12-16 PZ					
Site Number		021XY505OR draft					
Plant Association		FEID-PSSP6-POSE/ARAR8-PUTR2/JUOC					
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				73%	71%	392	736
Idaho fescue	Festuca idahoensis	FEID	1	30	40	240	320
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	10	30	80	240
Sandberg bluegrass	Poa secunda	POSE	4	5	10	40	80
onespike danthonia	Danthonia unispicata	DAUN	4	1	5	8	40
bottlebrush squirreltail	Elymus elymoides	ELEL5	2	1	3	8	24
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	1	2	8	16
Other Perennial Grasses	N/A	PPGG	5	1	2	8	16
prairie Junegrass	Koeleria macrantha	KOMA				0	0
						0	0
						0	0
						0	0
						0	0
Forbs				1%	4%	8	40
Other Perennial Forbs	N/A	PPFF	9	1	5	8	40
lupine	Lupinus	LUPIN				0	0
milkvetch	Astragalus	ASTRA				0	0
agoseris	Agoseris	AGOSE				0	0
phacelia	Phacelia	PHACE				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
fleabane	Erigeron	ERIGE2				0	0
western stoneseed	Lithospermum ruderales	LIRU4				0	0
serrate balsamroot	Balsamorhiza serrata	BASE2				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
granite prickly phlox	Leptodactylon pungens	LEPU				0	0
yampah	Perideridia	PERID				0	0
						0	0
						0	0
						0	0
Shrubs				18%	18%	96	184
low sagebrush	Artemisia arbuscula	ARAR8	11	5	10	40	80
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	10	40	80
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	2	3	16	24
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
Trees				7%	8%	40	80
western juniper	Juniperus occidentalis	JUOC	16	5	10	40	80
						0	0
						0	0
						0	0
						0	0
Totals				100%	100%	536	1040

Site Name JUNIPER CLAYPAN 12-16 PZ					
Site Number 021XY505OR draft					
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.02	0.06	0.11	0.15
	High	0.04	0.12	0.21	0.29
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained stony to cobbly loams and clay loams: Low OM (1%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (50-70%) and gentle slopes (1-10%) effectively limit rainfall impact and overland flow; infiltration is slow				
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 > low sagebrush > western juniper = antelope bitterbrush = sandberg bluegrass > other grasses > shrubby buckwheat > 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]	5-15% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 500 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		CLAYPAN BOTTOM 12-18 PZ					
Site Number		021XY506OR draft					
Plant Association		POSE-FEID/ARAR8					
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				71%	68%	450	750
Sandberg bluegrass	Poa secunda	POSE	3	35	50	350	500
Idaho fescue	Festuca idahoensis	FEID	2	5	10	50	100
sedge	Carex	CAREX	2	2	5	20	50
onespike danthonia	Danthonia unispicata	DAUN	4	1	5	10	50
prairie Junegrass	Koeleria macrantha	KOMA	4	1	2	10	20
Other Perennial Grasses	N/A	PPGG	5	1	3	10	30
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
oniongrass (gen.)	Melica	MELIC				0	0
rush	Juncus	JUNCU				0	0
						0	0
						0	0
						0	0
Forbs				2%	9%	10	100
Other Perennial Forbs	N/A	PPFF	9	1	10	10	100
lupine	Lupinus	LUPIN				0	0
pussytoes	Antennaria	ANTEN				0	0
agoseris	Agoseris	AGOSE				0	0
phacelia	Phacelia	PHACE				0	0
hawksbeard	Crepis	CREPI				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
sandwort (Arena.)	Arenaria	ARENA				0	0
largehead clover	Trifolium macrocephalum	TRMA3				0	0
wild onion	Allium	ALLIU				0	0
phlox	Phlox	PHLOX				0	0
yampah	Perideridia	PERID				0	0
						0	0
						0	0
						0	0
Shrubs				27%	23%	170	260
low sagebrush	Artemisia arbuscula	ARAR8	11	15	20	150	200
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	1	3	10	30
antelope bitterbrush	Purshia tridentata	PUTR2	12	1	3	10	30
						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
						0	0
						0	0
						0	0
Totals				100%	100%	630	1110

Site Name	CLAYPAN BOTTOM 12-18 PZ				
Site Number	021XY506OR draft				
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	0.13	0.22	0.31
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	15-25%				
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 a duripan), well drained loams and silt loams: Moderate OM (1-2%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (40-60%) and gentle slopes (0-2%) effectively limit rainfall impact and overland flow; infiltration is slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Sandberg bluegrass > low sagebrush > idaho fescue > sedge > other grasses = forbs > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-30% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, 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 and weedy forb species will increase with deterioration of plant community. Western Juniper readily invades the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		JUNIPER DRY PINE 14-16 PZ					
Site Number		021XY508OR draft					
Plant Association		FEID-PSSP6/PUTR2-CELE3/JUOC-PIPO					
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				64%	56%	350	780
Idaho fescue	Festuca idahoensis	FEID	1	15	30	150	300
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	10	25	100	250
Sandberg bluegrass	Poa secunda	POSE	4	5	10	50	100
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	5	20	50
western needlegrass	Achnatherum occidentale	ACOC3	2	2	5	20	50
Other Perennial Grasses	N/A	PPGG	5	1	3	10	30
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
						0	0
Forbs				2%	5%	10	70
Other Perennial Forbs	N/A	PPFF	9	1	7	10	70
agoseris	Agoseris	AGOSE				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
lambstongue ragwort	Senecio integerrimus	SEIN2				0	0
hawksbeard	Crepis	CREPI				0	0
lupine	Lupinus	LUPIN				0	0
pussytoes	Antennaria	ANTEN				0	0
phacelia	Phacelia	PHACE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
blue eyed Mary	Collinsia	COLLI				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
prairie flax	Linum lewisii	LILE3				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
beardtongue	Penstemon	PENST				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0
spreading phlox	Phlox diffusa	PHDI3				0	0
fleabane	Erigeron	ERIGE2				0	0
						0	0
						0	0
						0	0
						0	0
Shrubs				22%	25%	120	350
antelope bitterbrush	Purshia tridentata	PUTR2	11	5	15	50	150
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3	11	5	10	50	100
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	1	2	10	20
Other Shrubs	N/A	SSSS	15	1	8	10	80
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0
sulphur-flower buckwheat	Eriogonum umbellatum	ERUM				0	0
wax currant	Ribes cereum	RICE				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
						0	0
Trees				13%	14%	70	200
western juniper	Juniperus occidentalis	JUOC	16	5	10	50	100
ponderosa pine	Pinus ponderosa	PIPO	17	2	10	20	100
Totals				100%	100%	550	1400

Site Name		JUNIPER DRY PINE 14-16 PZ				
Site Number		021XY508OR draft				
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	0.15
		High	0.06	0.17	0.28	0.39
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, depending on slope (to 45%), slight to moderate sheet & rill erosion hazard,					
2. Presence of water flow patterns [1.0]	None to some, depending on slope (to 45%)					
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]	1-3%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Significantly resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep (usually stony), well drained stony or cobbly loams or ashy coarse sandy loams: Low to moderate OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant vegetative cover of over 110% and gentle to moderate slopes (1-45%) effectively limit rainfall impact and overland flow; infiltration is slow to moderate					
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 > antelope bitterbrush > curlleaf mountain mahogany = western juniper = sandberg bluegrass > other grassees > ponderosa pine > other 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]	20-60% (to 2.0")					
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 brush species will increase with deterioration of plant community (and after fire). Ponderosa Pine and western juniper readily increase on the site (can be converted to woodland w/out fire). 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	SEMI-WET MEADOW				
Site Number	021XY509OR draft				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent
	Low	0.03	0.10	0.17	0.24
	High	0.05	0.16	0.26	0.36
Rangeland Health Indicator [wt]	Potential for this Site				
1. Number and extent of rills [1.0]	None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None				
3. Number and height of erosional pedestals or terracettes [1.0]	None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-25%				
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 = 5-6				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, poorly to somewhat poorly drained (saturated in winter to late spring) clays and gravelly clays: Low to moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate vegetative cover (40-60%) and gentle slopes (0-2%) effectively limit rainfall impact and overland flow; infiltration is slow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	California oatgrass > other grasses > sandberg bluegrass > tufted hairgrass > 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]	10-30% (< 0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1500, Normal: 1200, Unfavorable: 1000 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Weedy forb and shallow rooted grass species will increase with deterioration of plant community. Loss of seasonal water table will significantly alter the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups				
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually				

Site Name		PINE-FESCUE BOTTOM 12-18 PZ					
Site Number		021XY510OR draft					
Plant Association		FEID/PUTR2/PIPO					
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				67%	56%	410	670
Idaho fescue	Festuca idahoensis	FEID	1	30	40	300	400
Sandberg bluegrass	Poa secunda	POSE	4	5	10	50	100
Ross' sedge	Carex rossii	CARO5	2	2	5	20	50
Wheeler's bluegrass	Poa wheeleri	POWH2	2	1	3	10	30
western needlegrass	Achnatherum occidentale	ACOC3	2	1	2	10	20
mountain brome	Bromus marginatus	BRMA4	2	1	2	10	20
Other Perennial Grasses	N/A	PPGG	5	1	5	10	50
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
spike trisetum	Trisetum spicatum	TRSP2				0	0
Forbs				2%	5%	10	60
Other Perennial Forbs	N/A	PPFF	9	1	6	10	60
agoseris	Agoseris	AGOSE				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
white hawkweed	Hieracium albiflorum	HIAL2				0	0
hawksbeard	Crepis	CREPI				0	0
lambstongue ragwort	Senecio integerrimus	SEIN2				0	0
lupine	Lupinus	LUPIN				0	0
western pearly everlasting	Anaphalis margaritacea	ANMA				0	0
phacelia	Phacelia	PHACE				0	0
strawberry	Fragaria	FRAGA				0	0
waterleaf	Hydrophyllum	HYDRO4				0	0
Brown's peony	Paeonia brownii	PABR				0	0
fewflower pea	Lathyrus pauciflorus	LAPA5				0	0
American vetch	Vicia americana	VIAM				0	0
blue eyed Mary	Collinsia	COLLI				0	0
Oregon checkerbloom	Sidalcea oregana	SIOR				0	0
prairie flax	Linum lewisii	LILE3				0	0
common woolly sunflower	Eriophyllum lanatum	ERLA6				0	0
beardtongue	Penstemon	PENST				0	0
prairiesmoke	Geum triflorum	GETR				0	0
Shrubs				25%	29%	150	340
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	20	100	200
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2	14	2	5	20	50
wax currant	Ribes cereum	RICE	14	1	2	10	20
common snowberry	Symphoricarpos albus	SYAL	12	1	2	10	20
Other Shrubs	N/A	SSSS	15	1	5	10	50
sulphur-flower buckwheat	Eriogonum umbellatum	ERUM				0	0
desert gooseberry	Ribes velutinum	RIVE				0	0
bitter cherry	Prunus emarginata	PREM				0	0
chokecherry	Prunus virginiana	PRVI				0	0
Klamath plum	Prunus subcordata	PRSU2				0	0
Trees				7%	10%	40	120
ponderosa pine	Pinus ponderosa	PIPO	16	3	10	30	100
western juniper	Juniperus occidentalis	JUOC	17	1	2	10	20
Totals				100%	100%	610	1190

Site Name		PINE-FESCUE BOTTOM 12-18 PZ				
Site Number		021XY510OR draft				
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	0.05	0.14	0.24	0.33
Rangeland Health Indicator [wt]		Potential for this Site				
1. Number and extent of rills [1.0]		None, slight sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]		None				
3. Number and height of erosional pedestals or terracettes [1.0]		None				
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]		< 1%				
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 to moderate wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]		Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]		Slightly to 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 loams or sandy loams: Low to moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]		Significant vegetative cover of over 130% and gentle slopes (1-15%) effectively limit rainfall impact and overland flow; infiltration is moderate				
11. Presence and thickness of compaction layer [1.0]		None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]		Idaho fescue > antelope bitterbrush > canby bluegrass > ponderosa pine > saskatoon serviceberry >= ross sedge > forbs > other grasses = other shrubs > 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]		40-80% (to 2.0")				
15. Expected annual production (total above-ground) [1.0]		Favorable: 1200, Normal: 100, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious species (native and non-native) [1.0]		Perennial brush species will increase with deterioration of plant community. Western Juniper readily invades the site. Ponderosa Pine readily increases on the site (can be converted to woodland w/out fire). 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				