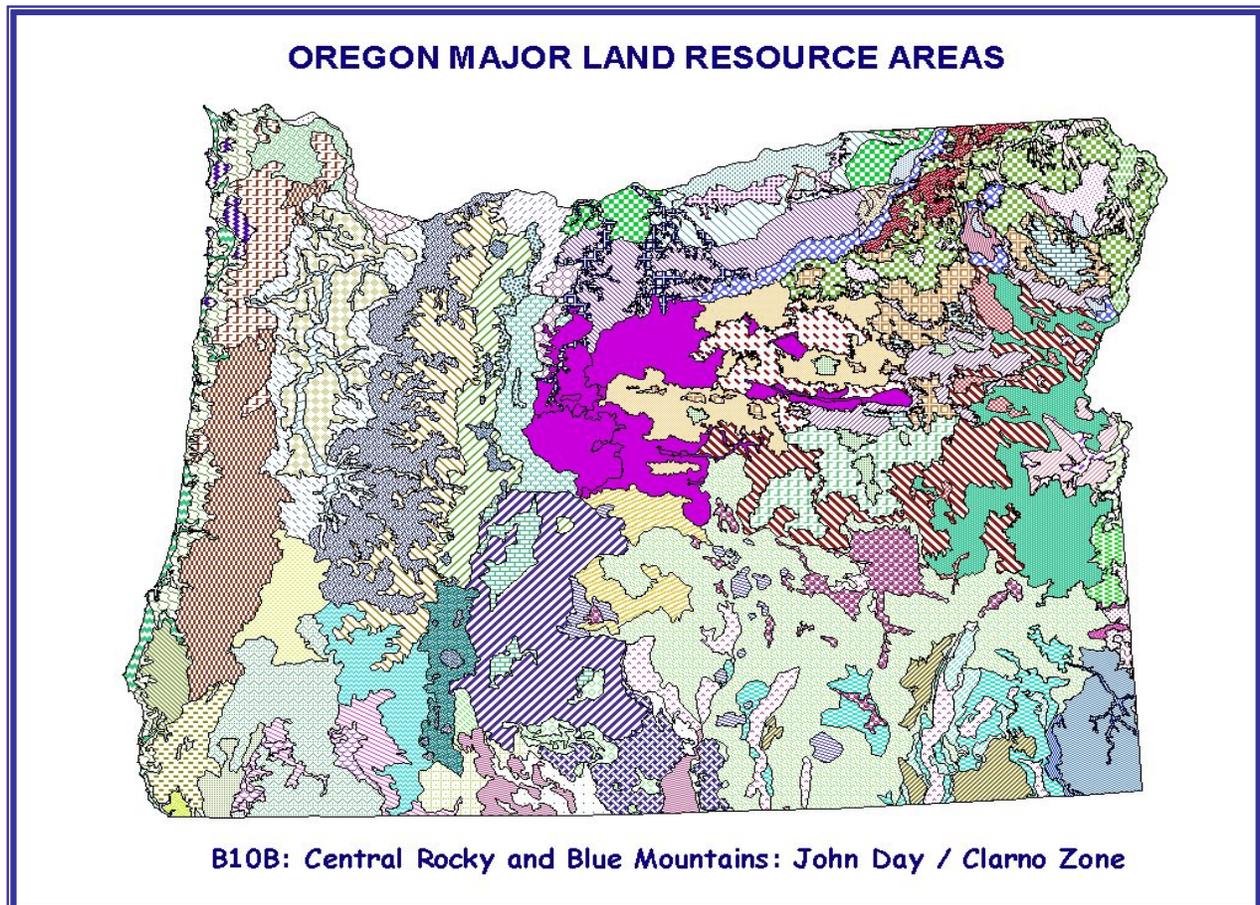


# MLRA B10B Central Rocky and Blue Mountains: John Day / Clarno Zone

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	
<b>Dominant:</b>	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.
<b>Sub Dominant:</b>	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.
<b>All:</b>	"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
R010XB013OR	JD SHRUBBY LOAM 12-16 PZ	FEID-PSSP6/PUTR2	Mesic/Frigid	1300	1100	900	FEID (45) PUTR2 (10) PSSP6 (20)
R010XB016OR	JD SWALE 12-16 PZ	LECI4-PSSP6- FEID/ARTRT	Mesic	3000	2500	2000	LECI4 (50) ARTRT (5) FEID (15) PSSP6 (25)
R010XB019OR	JD GUMBO 9-12 PZ	LECI4-PSSP6/ARTRT	Mesic	1800	1500	1000	PSSP6 (60) LECI4 (30)
R010XB020OR	JD LOAMY FAN 9-12 PZ	PSSP6-ACTH7- LECI4/ARTRT	Mesic	2000	1500	1000	PSSP6 (50) HECO26 (5) ARTRT (5) LECI4 (20) ACTH7 (20)
R010XB021OR	JD DROUGHTY CLAYEY FAN 9-12 PZ	PSSP6-POSE/ATCO	Mesic	600	400	200	PSSP6 (50) POSE (5) SPCR (5) ATCO (20) GUSA2 (5) CHVI8 (5)
R010XB022OR	JD CLAYEY 9-12 PZ	PSSP6-ACTH7/ARTRT	Mesic	1400	1000	600	PSSP6 (60) ACTH7 (30) ARTRT (5)
R010XB023OR	JD SHALLOW 9-12 PZ	ACTH7-POSE	Mesic	1000	800	600	ACTH7 (60) PSSP6 (30) POSE (5)
R010XB024OR	JD DROUGHTY CLAYPAN 9-12 PZ	FEID-PSSP6/ARAR8	Mesic	800	600	400	KOPY (5) ARAR8 (10) POSE (10) PSSP6 (20) FEID (40)
R010XB025OR	JD SANDY LOAM 9-12 PZ	HECO26-LECI4-SPCR	Mesic	1200	1000	800	HECO26 (50) PSSP6 (30) SPCR (5)
R010XB026OR	JD DROUGHTY FAN 9-12 PZ	LECI4/SAVE4-ARTRT	Mesic	1800	1500	1200	LECI4(50) ACTH7 (10) PSSP6 (5) DISP (5) SAVE4 (10) ARTRT (5)
R010XB027OR	JD CLAYEY 12-16 PZ	PSSP6-FEID	Mesic/Frigid	1600	1200	800	FEID (30) PSSP6 (50)
R010XB028OR	JD SHRUBBY MOUNTAIN CLAYEY 12-16 PZ	FEID-PSSP6/PUTR2- ARTRV	Mesic/Frigid	2000	1500	1000	ARTRV (5) PSSP6 (10) PUTR2 (15) FEID (60)
R010XB029OR	JD CLAYPAN 9-12 PZ	PSSP6-POSE/ARAR8	Mesic/Frigid	500	400	300	POSE (10) ARAR8 (15) PSSP6 (40)
R010XB030OR	JD LOAMY 12-16 PZ	PSSP6-FEID-ACTH7	Mesic/Frigid	2000	1600	1200	ACTH7 (5) FEID (10) PSSP6 (70)
R010XB031OR	JD SHALLOW 12-16 PZ	PSSP6-FEID-POSE	Mesic/Frigid	1200	900	600	ACTH7 (5) POSE (5) FEID (15) PSSP6 (60)
R010XB032OR	JD VERY SHALLOW 12-16 PZ	PSSP6-POSE/ARRI2	Mesic/Frigid	500	300	100	PSSP6 (40) POSE (30) ARRI2 (5)
R010XB033OR	JD SHALLOW NORTH 12-16 PZ	FEID-PSSP6	Mesic/Frigid	1200	800	600	FEID (50) POSE (5) PSSP6 (30)

Site Number	Name	HCPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
R010XB034OR	JD LOAMY 9-12 PZ	PSSP6-POSE/ARTRT	Mesic	1600	1400	1200	PSSP6 (70) POSE (5) ACTH7 (5) ARTRT (5)
R010XB035OR	JD SHALLOW NORTH 9-12 PZ	PSSP6-FEID-POSE	Mesic	1000	800	600	PSSP6 (50) FEID (40) POSE (5)
R010XB041OR	JD CLAYEY SOUTH 9-12 PZ	PSSP6-ACTH7-POSE	Mesic	1200	1000	800	PSSP6 (70) ACTH7 (25) POSE (5)
R010XB043OR	JD DROUGHTY CLAYEY SOUTH 9-12 PZ	PSSP6/ATCO	Mesic	800	600	400	PSSP6 (70) ATCO (20) GUSA2 (5)
R010XB044OR	JD DROUGHTY SOUTH 9-12 PZ	ACTH7-PSSP6	Mesic	1200	1000	800	ACTH7 (70) PSSP6 (25) SPCR (5) GUSA2 (5)
R010XB045OR	JD CLAYEY SOUTH 12-16 PZ	PSSP6-POSE	Mesic	1400	1200	800	POSE (5) PSSP6 (80)
R010XB046OR	JD SHRUBBY MOUNTAIN SOUTH 12-16 PZ	PSSP6/PUTR2-ARTRV	Mesic/Frigid	1700	1300	1000	ACHY (10) PUTR2 (15) FEID (15) PSSP6 (40)
R010XB047OR	JD SHALLOW SOUTH 12-16 PZ	PSSP6-ACTH7-POSE	Mesic/Frigid	1200	800	500	POSE (5) ACTH7 (15) PSSP6 (60)
R010XB048OR	JD LOAMY SOUTH 12-16 PZ	PSSP6-ACTH7	Mesic	1400	1200	900	PSSP6 (70) ACTH7 (20) HECO26 (10) SPCR (5)
R010XB051OR	JD SHALLOW SOUTH 9-12 PZ	PSSP6-POSE/ARTRT	Mesic	800	500	300	ARTRT (5) ACTH7 (6) POSE (6) PSSP6 (70)
R010XB052OR	JD DROUGHTY SHALLOW SOUTH 9-12 PZ	ACTH7-PSSP6	Mesic	1000	800	600	ACTH7 (70) PSSP6 (15) POSE (5) GUSA2 (5)
R010XB053OR	JD DROUGHTY FAN 9-12 PZ	ACTH7-LECI4/ARTRT	Mesic	1800	1500	1200	ACTH7 (80) PSSP6 (15) LECI4 (10) ARTRT (5)
R010XB057OR	JD MAHOGANY ROCKLAND 9-12 PZ	PSSP6/CELE3-PUTR2	Mesic	900	600	300	ACTH7 (5) POSE (6) PUTR2 (10) PSSP6 (35) CELE3 (40)
R010XB058OR	JD MAHOGANY ROCKLAND 12-16 PZ	PSSP6-FEID/CELE3/JUOC	Mesic/Frigid	900	600	300	PSSP6 (30) FEID (15) CELE3 (20) PUTR2 (10) JUOC (5)
R010XB063OR	JD NORTH 9-12 PZ	FEID-PSSP6	Mesic	1600	1200	800	FEID (60) PSSP6 (30)
R010XB064OR	JD DROUGHTY NORTH 9-12 PZ	PSSP6-FEID	Mesic	1600	1200	800	PSSP6 (70) FEID (10) ACTH7 (5) ARTRT (5)
R010XB065OR	JD DROUGHTY CLAYEY NORTH 9-12 PZ	PSSP6/ATCO	Mesic	1000	800	600	PSSP6 (60) ATCO (15)

Site Number	Name	HCPC Plant Association	Soil Temp	Production: Favorable	Production: Normal	Production: Unfavorable	NASIS Plants
R010XB070OR	JD NORTH 12-16 PZ	FEID-PSSP6	Mesic/Frigid	1800	1400	1000	PSSP6 (15) FEID (70)
R010XB071OR	JD SHRUBBY MOUNTAIN NORTH 12-16 PZ	FEID/PUTR2-ARTRV	Frigid	2000	1600	1200	SYMPA (5) ARTRV (5) ARTRT (5) PSSP6 (8) PUTR2 (15) FEID (60)
R010XB078OR	JD MOUNTAIN NORTH 12-16 PZ	FEID/ARTRT-ERWA3	Frigid	1800	1400	1000	FEID (70) PSSP6 (5) ARTRT (5) ERWA3 (5)
R010XB079OR	JD MOUNTAIN CLAYEY 12-16 PZ	FEID-PSSP6	Frigid	1600	1200	800	FEID (80) PSSP6 (5)
R010XB080OR	JD MOUNTAIN CLAYPAN 12-16 PZ	FEID-PSSP6-POSE/ARAR8	Frigid	1000	700	500	FEID (50) POSE (10) ARAR8 (15) PSSP6 (15)
R010XB081OR	JD MOUNTAIN CLAYPAN NORTH 12-16 PZ	FEID/ARAR8	Frigid	1000	800	600	FEID (70) PSSP6 (10) POSE (5) ARAR8 (15)
R010XB082OR	JD SHRUBBY MOUNTAIN CLAYPAN 12-16 PZ	FEID-PSSP6/PUTR2-ARAR8	Frigid	1200	900	600	FEID (35) DAUN (5) POSE (5) ARAR8 (10) PUTR2 (15) PSSP6 (25)
R010XB083OR	SHRUBBY MOUNTAIN SHALLOW 12-16 PZ	FEID-PSSP6-POSE/PUTR2	Frigid	1400	1000	800	FEID (40) PSSP6 (30) POSE (5) PUTR2 (15)
R010XB085OR	JD ASHY NORTH 12-16 PZ	FEID-PSSP6/ARTRV	Frigid	1400	1100	900	FEID (55) PSSP6 (35) ARTRV (5)
R010XB086OR	JD SHRUBBY SHALLOW 12-16 PZ	FEID/ARTRV-PUTR2	Frigid	1000	800	600	FEID (55) PSSP6 (35) ARTRV (5) PUTR2 (10) ERWR (10)
R010XB088OR	JD ASHY DEEP NORTH 12-16 PZ	FEID/ARTRV	Frigid	1700	1500	1000	FEID (55) PSSP6 (35) ARTRV (15)
R010XB089OR	JD ASHY SOUTH 12-16 PZ	PSSP6-FEID/ARTRV	Frigid	1200	900	700	PSSP6 (55) FEID (5) POSE (5) ARTRV (10)
R010XB090OR	JUNIPER CLAYPAN NORTH 9-12 PZ	PSSP6-FEID/ARTRV/JUOC	Frigid	850	650	450	PSSP6 (35) FEID (10) ACTH7 (10) ARTRV (10) JUOC (10)
R010XB093OR	ASHY JUNIPER SOUTH SLOPES 9-12 PZ	FEID-PSSP6-ACTH7/ARTRV/JUOC	Mesic/Frigid	900	650	400	FEID (40) PSSP6 (10) ARTRV (10) JUOC (10)



Site Name		JD SHRUBBY LOAM 12-16 PZ				
Site Number		010XB013OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.04	0.11	0.18	0.25	
	High	0.07	0.20	0.34	0.48	
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]	5-12%					
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, silt loam and cobbly silt loam surface: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-80%) and gentle slopes (0-15%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > antelope bitterbrush > other dominant grasses > = dominant forbs > other dominant shrubs = other forbs > 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]	10-25% (< 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1300, Normal: 1100, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					



Site Name		JD SWALE 12-16 PZ				
Site Number		010XB016OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.08	0.24	0.41	0.57
		High	0.16	0.47	0.78	1.09
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					
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]	3-8%					
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					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep, well drained loams and clay loams (gravel content in the profile is 0-30%); moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (65-75%) and gentle slopes (0-12%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Basin wildrye > bluebunch wheatgrass > idaho fescue > other dominant grasses > 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]	10-25% (< 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 3000, Normal: 2500, Unfavorable: 2000 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial 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		JD GUMBO 9-12 PZ				
Site Number		010XB019OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.06	0.19	0.31	0.43	
	High	0.10	0.29	0.48	0.68	
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					
3. Number and height of erosional pedestals or terracettes [1.0]	Some to many on shallow rooted perennial grasses and some shrubs					
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, Moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep, well drained and moderately well drained clays with high shrink-swell potential and prevalent soil churning: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (65-75%) and gentle slopes (0-12%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > basin wildrye > other dominant grasses > dominant shrubs > forbs > 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]	10-25% (< 1.0")					
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. 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					

<b>Site Name</b>	JD LOAMY FAN 9-12 PZ							
<b>Site Number</b>	010XB020OR draft							
<b>Plant Association</b>	PSSP6-ACTH7-LECI4/ARTRT							
<b>Normal Lbs./Ac.</b>	1500							
<b>Range of composition and weight of species in HCPC with normal production:</b>					<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	
<b>Grasses &amp; Grass-like Plants</b>				<b>86%</b>	<b>82%</b>	<b>765</b>	<b>1680</b>	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	30	50	450	750	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	10	30	150	450	
basin wildrye	Leymus cinereus	LECI4	2	10	30	150	450	
Other Perennial Grasses	N/A	PPGG	5	1	2	15	30	
sand dropseed	Sporobolus cryptandrus	SPCR				0	0	
needle and thread	Hesperostipa comata	HECO26				0	0	
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Forbs</b>				<b>7%</b>	<b>7%</b>	<b>60</b>	<b>150</b>	
buckwheat (Eriog.)	Eriogonum	ERIOG	7	1	2	15	30	
lupine	Lupinus	LUPIN	7	1	2	15	30	
milkvetch	Astragalus	ASTRA	7	1	2	15	30	
Other Perennial Forbs	N/A	PPFF	9	1	4	15	60	
common yarrow	Achillea millefolium	ACMI2				0	0	
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0	
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0	
fleabane	Erigeron	ERIGE2				0	0	
phlox	Phlox	PHLOX				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
white sagebrush	Artemisia ludoviciana	ARLU				0	0	
western stoneseed	Lithospermum ruderales	LIRU4				0	0	
gooseberryleaf globemallow	Sphaeralcea grossulariifolia	SPGR2				0	0	
phacelia	Phacelia	PHACE				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Shrubs</b>				<b>7%</b>	<b>11%</b>	<b>60</b>	<b>225</b>	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	11	2	10	30	150	
Other Shrubs	N/A	SSSS	15	2	5	30	75	
broom snakeweed	Gutierrezia sarothrae	GUSA2				0	0	
antelope bitterbrush	Purshia tridentata	PUTR2				0	0	
rabbitbrush	Chrysothamnus	CHRYS9				0	0	
black greasewood	Sarcobatus vermiculatus	SAVE4				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Trees</b>				<b>0%</b>	<b>0%</b>	<b>0</b>	<b>0</b>	
						0	0	
						0	0	
						0	0	
<b>Totals</b>				<b>100%</b>	<b>100%</b>	<b>885</b>	<b>2055</b>	

Site Name		JD LOAMY FAN 9-12 PZ				
Site Number		010XB0200R 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	0.18	0.25	
	High	0.08	0.24	0.41	0.57	
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]	5-10%					
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 to moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep to very deep, skeletal, well drained, gravelly loams (up to 30" thick): moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-80%) and gentle slopes (2-15%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > basin wildrye = thurber needlegrass > basin big sagebrush > forbs > other grasses > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-15% (0.5-1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, 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. 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		JD DROUGHTY CLAYEY FAN 9-12 PZ				
Site Number		010XB021OR 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	0.03	0.05	0.07
		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 in interspaces, 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 in interspaces					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep, well drained clay, stony clay, or very stony clays: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Low ground cover (20-40%) and gentle slopes (1-5%) slightly to moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > shadscale > forbs > other grasses > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-10% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 600, Normal: 400, Unfavorable: 200 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		JD CLAYEY 9-12 PZ				
Site Number		010XB022OR				
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	0.23	
	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]	None to some, moderate to severe sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%					
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, moderate to severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, moderately well drained stony clay loam, silty clay loam, or very stony loam about 5" thick: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle slopes (0-12%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > thurber needlegrass > basin wildrye = basin big sagebrush > forbs > other grasses > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-15% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1400, 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		JD SHALLOW 9-12 PZ				
Site Number		010XB023OR 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 to some, moderate to severe sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, moderate to severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to very shallow, well drained very stony to very cobbly loams to andesite or hardpan: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (2-12%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Thurber needlegrass > bluebunch wheatgrass > forbs > other grasses > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-15% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	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		JD DROUGHTY CLAYPAN 9-12 PZ				
Site Number		010XB024OR				
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	0.10	0.16	0.23	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, slight to moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
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 silt loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (0-20%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > low sagebrush > 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]	5-20% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 800, Normal: 600, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily 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		JD SANDY LOAM 9-12 PZ				
Site Number		010XB025OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.03	0.09	0.15	0.21
		High	0.06	0.17	0.28	0.39
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly resistant to erosion: aggregate stability = 1-2					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep, well drained coarse, fine, and very fine sandy loams: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (2-15%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Needle and thread > bluebunch wheatgrass > sand dropseed > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-20% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 1000, Unfavorable: 800 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial 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		JD DROUGHTY FAN 9-12 PZ				
Site Number		010XB026OR				
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	0.08	0.25	0.41	0.58	
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 to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-10%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, severe wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly resistant to erosion: aggregate stability = 1-2					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep, well drained coarse, fine, and very fine sandy loams: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (1-8%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Needleandthread > bluebunch wheatgrass > sand dropseed > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-20% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1800, Normal: 1500, Unfavorable: 1200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. 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					

<b>Site Name</b>		JD CLAYEY 12-16 PZ					
<b>Site Number</b>		010XB027OR					
<b>Plant Association</b>		PSSP6-FEID					
<b>Normal Lbs./Ac.</b>		1200					
<b>Range of composition and weight of species in HCPC with normal production:</b>				<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>
<b>Grasses &amp; Grass-like Plants</b>				<b>90%</b>	<b>87%</b>	<b>768</b>	<b>1332</b>
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	40	60	480	720
Idaho fescue	Festuca idahoensis	FEID	1	20	40	240	480
Sandberg bluegrass	Poa secunda	POSE	4	1	3	12	36
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	1	3	12	36
prairie Junegrass	Koeleria macrantha	KOMA	4	1	3	12	36
Other Perennial Grasses	N/A	PPGG	5	1	2	12	24
basin wildrye	Leymus cinereus	LECT4				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
California brome	Bromus carinatus	BRCA5				0	0
						0	0
						0	0
						0	0
<b>Forbs</b>				<b>6%</b>	<b>7%</b>	<b>48</b>	<b>108</b>
milkvetch	Astragalus	ASTRA	7	1	2	12	24
common yarrow	Achillea millefolium	ACMI2	7	1	2	12	24
lupine	Lupinus	LUPIN	7	1	2	12	24
Other Perennial Forbs	N/A	PPFF	9	1	3	12	36
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
pussytoes	Antennaria	ANTEN				0	0
phlox	Phlox	PHLOX				0	0
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3				0	0
fleabane	Erigeron	ERIGE2				0	0
agosaris	Agoseris	AGOSE				0	0
mariposa lily	Calochortus	CALOC				0	0
stoneseed	Lithospermum	LITHO3				0	0
wild onion	Allium	ALLIU				0	0
blanketflower	Gaillardia	GAILL				0	0
						0	0
						0	0
						0	0
						0	0
<b>Shrubs</b>				<b>4%</b>	<b>6%</b>	<b>36</b>	<b>96</b>
antelope bitterbrush	Purshia tridentata	PUTR2	11	2	5	24	60
Other Shrubs	N/A	SSSS	15	1	3	12	36
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT				0	0
broom snakeweed	Gutierrezia sarothrae	GUSA2				0	0
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0
rose	Rosa	ROSA5				0	0
						0	0
						0	0
						0	0
<b>Trees</b>				<b>0%</b>	<b>0%</b>	<b>0</b>	<b>0</b>
						0	0
						0	0
						0	0
<b>Totals</b>				<b>100%</b>	<b>100%</b>	<b>852</b>	<b>1536</b>

Site Name		JD CLAYEY 12-16 PZ				
Site Number		010XB027OR				
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	0.43	
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					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, moderately well drained clay loam to silty clay loam up to 8" thick (up to 15% rock fragments): moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (0-15%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > other grasses > forbs > shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-20-% (to 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1600, 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					

<b>Site Name</b>	JD SHRUBBY MOUNTAIN CLAYEY 12-16 PZ							
<b>Site Number</b>	010XB028OR							
<b>Plant Association</b>	FEID-PSSP6/PUTR2-ARTRV							
<b>Normal Lbs./Ac.</b>	1500							
<b>Range of composition and weight of species in HCPC with normal production:</b>					<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	
<b>Grasses &amp; Grass-like Plants</b>				<b>50%</b>	<b>69%</b>	<b>945</b>	<b>1590</b>	
Idaho fescue	Festuca idahoensis	FEID	1	50	70	750	1050	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	5	15	75	225	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	2	8	30	120	
bluegrass	Poa	POA	4	2	5	30	75	
basin wildrye	Leymus cinereus	LECI4	2	1	3	15	45	
California brome	Bromus carinatus	BRCA5	2	1	2	15	30	
Other Perennial Grasses	N/A	PPGG	5	2	3	30	45	
Sandberg bluegrass	Poa secunda	POSE				0	0	
prairie Junegrass	Koeleria macrantha	KOMA				0	0	
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0	
sedge	Carex	CAREX				0	0	
						0	0	
<b>Forbs</b>				<b>4%</b>	<b>7%</b>	<b>60</b>	<b>165</b>	
lupine	Lupinus	LUPIN	7	1	2	15	30	
buckwheat (Eriog.)	Eriogonum	ERIOG	7	1	2	15	30	
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3	7	1	2	15	30	
Other Perennial Forbs	N/A	PPFF	9	1	5	15	75	
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0	
waterleaf	Hydrophyllum	HYDRO4				0	0	
pussytoes	Antennaria	ANTEN				0	0	
buttercup	Ranunculus	RANUN				0	0	
deathcamas	Zigadenus	ZIGAD				0	0	
Indian paintbrush	Castilleja	CASTI2				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
groundsel	Senecio	SENEC				0	0	
stoneseed	Lithospermum	LITHO3				0	0	
fleabane	Erigeron	ERIGE2				0	0	
phlox	Phlox	PHLOX				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
bluebells	Mertensia	MERTE				0	0	
						0	0	
						0	0	
<b>Shrubs</b>				<b>22%</b>	<b>21%</b>	<b>300</b>	<b>495</b>	
antelope bitterbrush	Purshia tridentata	PUTR2	11	15	20	225	300	
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	3	8	45	120	
Other Shrubs	N/A	SSSS	15	2	5	30	75	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT				0	0	
currant	Ribes	RIBES				0	0	
common snowberry	Symphoricarpos albus	SYAL				0	0	
rabbitbrush	Chrysothamnus	CHRYSS9				0	0	
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3				0	0	
horsebrush	Tetradymia	TETRA3				0	0	
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0	
granite prickly phlox	Leptodactylon pungens	LEPU				0	0	
<b>Trees</b>				<b>2%</b>	<b>3%</b>	<b>30</b>	<b>60</b>	
ponderosa pine	Pinus ponderosa	PIPO	16	1	2	15	30	
western juniper	Juniperus occidentalis	JUOC	16	1	2	15	30	
						0	0	
<b>Totals</b>				<b>79%</b>	<b>100%</b>	<b>1335</b>	<b>2310</b>	

Site Name		JD SHRUBBY MOUNTAIN CLAYEY 12-16 PZ				
Site Number		010XB028OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.05	0.16	0.26	0.37
		High	0.09	0.27	0.46	0.64
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					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	5-15%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep, well drained loam to very shaley loam up to 7" thick: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (0-12%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > antelope bitterbrush > bluebunch wheatgrass > 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]	5-20-% (to 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, 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. 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		JD CLAYPAN 9-12 PZ				
Site Number		010XB029OR 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	0.03	0.05	0.07
		High	0.02	0.05	0.08	0.12
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					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some - high shrink-swell potential					
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, slight wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to a strongly developed claypan with a gravelly loam surface up to 10" thick: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Low to moderate ground cover (40-50%) and gentle slopes (2-20%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > low 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: 500, Normal: 400, Unfavorable: 300 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily 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		JD LOAMY 12-16 PZ				
Site Number		010XB030OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.06	0.18	0.30	0.42
		High	0.10	0.29	0.48	0.68
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]	5-10%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Significantly resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained silt loams and loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle slopes (0-20%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	15-30% (to 1.0")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, Normal: 1600, Unfavorable: 1200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. 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					

<b>Site Name</b>	JD SHALLOW 12-16 PZ							
<b>Site Number</b>	010XB031OR							
<b>Plant Association</b>	PSSP6-POSE							
<b>Normal Lbs./Ac.</b>	900							
<b>Range of composition and weight of species in HCPC with normal production:</b>					<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	
<b>Grasses &amp; Grass-like Plants</b>					<b>89%</b>	<b>78%</b>	<b>702</b>	<b>963</b>
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	60	70	540	630	
Idaho fescue	Festuca idahoensis	FEID	2	10	20	90	180	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	5	10	45	90	
Sandberg bluegrass	Poa secunda	POSE	4	2	5	18	45	
bottlebrush squirreltail	Elymus elymoides	ELEL5	2	1	2	9	18	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Forbs</b>					<b>6%</b>	<b>14%</b>	<b>45</b>	<b>171</b>
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3	7	1	3	9	27	
lupine	Lupinus	LUPIN	7	1	3	9	27	
milkvetch	Astragalus	ASTRA	7	1	3	9	27	
Other Perennial Forbs	N/A	PPFF	9	2	10	18	90	
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0	
phlox	Phlox	PHLOX				0	0	
fleabane	Erigeron	ERIGE2				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
agoseris	Agoseris	AGOSE				0	0	
grasswidow	Olsynium	OLSYN				0	0	
phacelia	Phacelia	PHACE				0	0	
cryptantha	Cryptantha	CRYPT				0	0	
Blue Mountain prairie clover	Dalea ornata	DAOR2				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Shrubs</b>					<b>2%</b>	<b>4%</b>	<b>18</b>	<b>45</b>
Other Shrubs	N/A	SSSS	15	2	5	18	45	
broom snakeweed	Gutierrezia sarothrae	GUSA2				0	0	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT				0	0	
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0	
antelope bitterbrush	Purshia tridentata	PUTR2				0	0	
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Trees</b>					<b>3%</b>	<b>5%</b>	<b>27</b>	<b>63</b>
western juniper	Juniperus occidentalis	JUOC	16	2	5	18	45	
ponderosa pine	Pinus ponderosa	PIPO	17	1	2	9	18	
						0	0	
<b>Totals</b>					<b>100%</b>	<b>100%</b>	<b>792</b>	<b>1242</b>

Site Name		JD SHALLOW 12-16 PZ				
Site Number		010XB031OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.03	0.09	0.16	0.22	
	High	0.05	0.15	0.25	0.34	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, severe sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained very and extremely stony loams and silt loams: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle slopes (2-15%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > other grasses > forbs > shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	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		JD VERY SHALLOW 12-16 PZ				
Site Number		010XB032OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.01	0.02	0.03	0.05
		High	0.01	0.04	0.07	0.10
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some in interspaces, severe 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 very few					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	15-30%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained stony loam to cobbly loams: Moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Slight ground cover (40-60%) and gentle slopes (2-20%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > sandberg bluegrass > scabland sagebrush = forbs > other grasses > 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]	2-10% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 500, Normal: 300, Unfavorable: 100 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		JD SHALLOW NORTH 12-16 PZ				
Site Number		010XB033OR				
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	0.04	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 on steeper slopes, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained cobbly silt loams: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-80%) and moderate to very steep slopes (12-70%) moderately to slightly limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > basin big sagebrush > forbs > other grasses > 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% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1200, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					



Site Name JD LOAMY 9-12 PZ					
Site Number 010XB034OR					
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	0.19	0.32	0.45
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]	5-20%				
5. Number of gullies and erosion associated with gullies [1.0]	None				
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained very cobbly loams, very stony loams, gravelly loams, or loams: moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle slopes (0-15%) effectively limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > other grasses > basin big sagebrush = forbs > other shrubs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-25% (0.5")				
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 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		JD SHALLOW NORTH 9-12 PZ				
Site Number		010XB035OR				
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	0.21	0.29	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some on steeper slopes, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes, significant sheet & rill erosion hazard					
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, xxx wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Slightly to moderately resistant to erosion: aggregate stability = 2-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to very shallow cobbly loamy coarse sand, very cobbly coarse sandy loam, very stony or very cobbly loams: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate to significant ground cover (60-70%) and gentle to extremely steep slopes (12-90%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > other grasses > basin big sagebrush > forbs > other shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-20% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. 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		JD CLAYEY SOUTH 9-12 PZ				
Site Number		010XB041OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.04	0.11	0.18	0.25	
	High	0.05	0.16	0.27	0.38	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to few on steeper slopes, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to few on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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]	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 stony clay loams and clay loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to very steep slopes (12-70%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > thurber needlegrass > other grasses > forbs > shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-15% (0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 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		JD DROUGHTY CLAYEY SOUTH 9-12 PZ				
Site Number		010XB043OR				
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	0.13
		High	0.03	0.10	0.17	0.24
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to few on steeper slopes, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to few on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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 = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to deep, well drained clay loams or very cobbly clay loams: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to very steep slopes (5-70%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > shadscale > 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]	5-15% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 800, Normal: 600, Unfavorable: 400 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily 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		JD DROUGHTY SOUTH 9-12 PZ				
Site Number		010XB044OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.04	0.11	0.18	0.25	
	High	0.06	0.17	0.28	0.40	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to very few on steeper slopes, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to very few on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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, 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 clay loams, gravelly loams, or very cobbly or stony loams: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to steep slopes (15-60%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Thurber needlegrass > bluebunch wheatgrass > shrubs > forbs > other grasses					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-15% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 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		JD CLAYEY SOUTH 12-16 PZ				
Site Number		010XB045OR				
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	0.17	0.29	0.40
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, moderate sheet & rill erosion hazard (severe on steeper slopes)					
2. Presence of water flow patterns [1.0]	None (few on steeper slopes)					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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, 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]	Moderate 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 clay loams, silty clay loams, or very stony clay loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to very steep slopes (12-70%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > other grasses > forbs > shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-25% (to 0.75")					
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					

<b>Site Name</b>	<b>SHRUBBY MOUNTAIN SOUTH 12-16 PZ</b>							
<b>Site Number</b>	<b>010XB046OR</b>							
<b>Plant Association</b>	<b>PSSP6/PUTR2-ARTRV</b>							
<b>Normal Lbs./Ac.</b>	<b>1300</b>							
<b>Range of composition and weight of species in HCPC with normal production:</b>					<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	
<b>Grasses &amp; Grass-like Plants</b>				<b>61%</b>	<b>59%</b>	<b>598</b>	<b>1053</b>	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	30	50	390	650	
Idaho fescue	Festuca idahoensis	FEID	2	10	15	130	195	
Indian ricegrass	Achnatherum hymenoides	ACHY	2	2	5	26	65	
basin wildrye	Leymus cinereus	LECT4	2	1	3	13	39	
Sandberg bluegrass	Poa secunda	POSE	4	1	3	13	39	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	1	2	13	26	
Other Perennial Grasses	N/A	PPGG	5	1	3	13	39	
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0	
California brome	Bromus carinatus	BRCA5				0	0	
						0	0	
						0	0	
						0	0	
<b>Forbs</b>				<b>8%</b>	<b>13%</b>	<b>78</b>	<b>234</b>	
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3	7	1	2	13	26	
lupine	Lupinus	LUPIN	7	1	2	13	26	
lomatium (gen.)	Lomatium	LOMAT	7	1	2	13	26	
milkvetch	Astragalus	ASTRA	7	1	2	13	26	
buckwheat (Eriog.)	Eriogonum	ERIOG	7	1	2	13	26	
Other Perennial Forbs	N/A	PPFF	9	1	8	13	104	
hawksbeard	Crepis	CREPI				0	0	
fleabane	Erigeron	ERIGE2				0	0	
agoseris	Agoseris	AGOSE				0	0	
phlox	Phlox	PHLOX				0	0	
common yarrow	Achillea millefolium	ACMI2				0	0	
Indian paintbrush	Castilleja	CASTI2				0	0	
waterleaf	Hydrophyllum	HYDRO4				0	0	
larkspur	Delphinium	DELPH				0	0	
beardtongue	Penstemon	PENST				0	0	
phacelia	Phacelia	PHACE				0	0	
brodiaea	Brodiaea	BRODI				0	0	
western stone seed	Lithospermum ruderales	LIRU4				0	0	
						0	0	
<b>Shrubs</b>				<b>29%</b>	<b>25%</b>	<b>286</b>	<b>442</b>	
antelope bitterbrush	Purshia tridentata	PUTR2	11	15	20	195	260	
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	3	5	39	65	
squaw apple	Peraphyllum ramosissimum	PERA4	14	1	2	13	26	
shrubby buckwheat	Eriogonum microthecum	ERMI4	12	1	2	13	26	
currant	Ribes	RIBES	14	1	2	13	26	
Other Shrubs	N/A	SSSS	15	1	3	13	39	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT				0	0	
gray rabbitbrush	Ericameria nauseosa	ERNA10				0	0	
green rabbitbrush	Chrysothamnus viscidiflorus	CHVI8				0	0	
horsebrush	Tetradymia	TETRA3				0	0	
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3				0	0	
common snowberry	Symphoricarpos albus	SYAL				0	0	
<b>Trees</b>				<b>3%</b>	<b>4%</b>	<b>26</b>	<b>65</b>	
ponderosa pine	Pinus ponderosa	PIPO	16	1	3	13	39	
western juniper	Juniperus occidentalis	JUOC	17	1	2	13	26	
<b>Totals</b>				<b>100%</b>	<b>100%</b>	<b>988</b>	<b>1794</b>	

Site Name		SHRUBBY MOUNTAIN SOUTH 12-16 PZ				
Site Number		010XB046OR				
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	0.27	
	High	0.07	0.21	0.35	0.50	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, moderate sheet & rill erosion hazard (severe on steeper slopes)					
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]	5-20%					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to moderately deep, well drained loams to shaley loams (5-12" thick): moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (40-60%) and gentle to steep slopes (12-50%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > antelope bitterbrush > idaho fescue > 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]	15-40% (to 0.75")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1700, 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 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		JD SHALLOW SOUTH 12-16 PZ				
Site Number		010XB047OR				
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	0.04	0.13	0.21	0.30	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to few on steeper slopes, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to few on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	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, 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 very shallow very stony or very cobbly loams or silt loams: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to very steep slopes (12-70%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > thurber needlegrass > shrubs > 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]	10-25% (to 0.75")					
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		JD LOAMY SOUTH 12-16 PZ				
Site Number		010XB048OR				
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	0.42	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some on steeper slopes, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some, 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 resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep, well drained extremely cobbly sandy loams: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to extreme slopes (12-90%) moderately to slightly limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > thurber needlegrass > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-30% (to 0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1400, Normal: 1200, Unfavorable: 900 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases on the site. Cheatgrass and Medusahead invade sites that have lost deep rooted perennial grass functional groups					
17. Perennial plant reproductive capability [1.0]	All species should be capable of reproducing annually					



Site Name		JD SHALLOW SOUTH 9-12 PZ				
Site Number		010XB051OR				
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	0.02	0.07	0.12	0.17
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to few pedestals					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-35%					
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 very few, 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 resistant to erosion: aggregate stability = 2-4					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow, well drained very stony loams or cobbly loamy coarse sands: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and steep slopes (30-60%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	5-15% (<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 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					



<b>Site Name</b> JD DROUGHTY SHALLOW SOUTH 9-12 PZ					
<b>Site Number</b> 010XB052OR					
<b>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</b>	<b>Class</b>	<b>Poor</b>	<b>Fair</b>	<b>Good</b>	<b>Excellent</b>
	<b>Low</b>	0.03	0.08	0.13	0.19
	<b>High</b>	0.04	0.13	0.22	0.30
<b>Rangeland Health Indicator [wt]</b>	<b>Potential for this Site</b>				
1. Number and extent of rills [1.0]	None to some on steeper slopes, significant sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some on steeper slopes				
3. Number and height of erosional pedestals or terracettes [1.0]	None to very few (pedestals)				
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, moderate wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow to very shallow, well drained very stony to cobbly loams, stony coarse sandy loams, or clay loams: moderate OM (1-3%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and steep slopes (30-60%) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Thurber needlegrass > bluebunch wheatgrass > other grasses > shrubs > forbs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-25% (<0.5")				
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)				
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily 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		JD DROUGHTY FAN 9-12 PZ				
Site Number		010XB053OR 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	0.05	0.15	0.25	0.34
		High	0.07	0.22	0.37	0.52
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some in interspaces, 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					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	10-20%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None to some in interspaces, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very deep, well drained ashy loams, fine sandy loams, very cobbly loams clay loams, and loams: moderate OM (1-3%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (60-70%) and gentle slopes (1-8%) 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]	Thurber needlegrass > bluebunch wheatgrass > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	15-35% (to 0.75")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1800, Normal: 1500, Unfavorable: 1200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. 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		JD MAHOGANY ROCKLAND 9-12 PZ				
Site Number		010XB057OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.02	0.05	0.09	0.12
		High	0.03	0.10	0.16	0.22
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some on steeper slopes, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes (pedestals)					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	15-45%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 2-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained stony to cobbly loams to cobbly loamy coarse sands: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Slight to moderate ground cover (30-50%) and steep to extremely steep slopes (30-90%) slightly limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Curl leaf mountain mahogany > bluebunch wheatgrass > antelope bitterbrush > 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: 600, Unfavorable: 300 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases in 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		JD MAHOGANY ROCKLAND 12-16 PZ				
Site Number		010XB058OR 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	0.12
		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 to some on steeper slopes, significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes (pedestals)					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	15-45%					
5. Number of gullies and erosion associated with gullies [1.0]	None					
6. Extent of wind scoured, blowouts and/or depositional areas [1.0]	None, slight wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 2-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained stony and cobbly loams, very gravelly or shaly loams, or cobbly loamy coarse sands: low OM (1-2%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	moderate ground cover (40-60%) and steep to extremely steep slopes (30-90%) slightly limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > curl leaf mountain mahogany > idaho fescue > antelope bitterbrush > western juniper > 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: 900, Normal: 600, Unfavorable: 300 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily increases in 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		JD NORTH 9-12 PZ				
Site Number		010XB063OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible	Class	Poor	Fair	Good	Excellent	
	Low	0.04	0.11	0.18	0.26	
	High	0.06	0.19	0.31	0.44	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, moderate to significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained silt loams, clay loams, or gravelly loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and gentle to extremely steep slopes (12-90%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > forbs > other grasses > shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	15-35% (to 0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1600, 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					

<b>Site Name</b>		JD DROUGHTY NORTH 9-12 PZ						
<b>Site Number</b>		010XB064OR						
<b>Plant Association</b>		PSSP6-FEID						
<b>Normal Lbs./Ac.</b>		1200						
<b>Range of composition and weight of species in HCPC with normal production:</b>					<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	
<b>Grasses &amp; Grass-like Plants</b>				<b>93%</b>	<b>84%</b>	<b>852</b>	<b>1344</b>	
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	1	60	80	720	960	
Idaho fescue	Festuca idahoensis	FEID	2	5	20	60	240	
Thurber's needlegrass	Achnatherum thurberianum	ACTH7	2	5	10	60	120	
Sandberg bluegrass	Poa secunda	POSE	4	1	2	12	24	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Forbs</b>				<b>3%</b>	<b>8%</b>	<b>24</b>	<b>120</b>	
Other Perennial Forbs	N/A	PPFF	9	2	10	24	120	
common yarrow	Achillea millefolium	ACMI2				0	0	
lomatium (gen.)	Lomatium	LOMAT				0	0	
pussytoes	Antennaria	ANTEN				0	0	
fleabane	Erigeron	ERIGE2				0	0	
buckwheat (Eriog.)	Eriogonum	ERIOG				0	0	
phlox	Phlox	PHLOX				0	0	
milkvetch	Astragalus	ASTRA				0	0	
agoseris	Agoseris	AGOSE				0	0	
wild onion	Allium	ALLIU				0	0	
Indian paintbrush	Castilleja	CASTI2				0	0	
Blue Mountain prairie clover	Dalea ornata	DAOR2				0	0	
blepharipappus	Blepharipappus	BLEPH2				0	0	
Bruneau mariposa lily	Calochortus bruneanus	CABR4				0	0	
sunflower	Helianthus	HELIA3				0	0	
aster (Eucep.)	Eucephalus	EUCEP2				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Shrubs</b>				<b>4%</b>	<b>8%</b>	<b>36</b>	<b>132</b>	
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	11	2	8	24	96	
Other Shrubs	N/A	SSSS	15	1	3	12	36	
rabbitbrush	Chrysothamnus	CHRYS9				0	0	
broom snakeweed	Gutierrezia sarothrae	GUSA2				0	0	
shadscale saltbush	Atriplex confertifolia	ATCO				0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
						0	0	
<b>Trees</b>				<b>0%</b>	<b>0%</b>	<b>0</b>	<b>0</b>	
						0	0	
						0	0	
						0	0	
<b>Totals</b>				<b>100%</b>	<b>100%</b>	<b>912</b>	<b>1596</b>	

Site Name		JD DROUGHTY NORTH 9-12 PZ				
Site Number		010XB064OR				
Initial Stocking Rates by General Seral Condition (AUMs/Acre/Year with normal production) Use with caution - only when field determination is not practical or possible		Class	Poor	Fair	Good	Excellent
		Low	0.04	0.11	0.18	0.25
		High	0.06	0.19	0.32	0.44
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to some on steeper slopes, moderate sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to some on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes (terraces)					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Deep, well drained clays, clay loams, ashy, cobbly, or stony loams, or loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle to steep slopes (12-60%) moderately limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > other grasses > shrubs > forbs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-25% (to 0.75")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1600, 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. 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					



<b>Site Name</b> JD DROUGHTY CLAYEY NORTH 9-12 PZ					
<b>Site Number</b> 010XB065OR draft					
<b>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</b>	<b>Class</b>	<b>Poor</b>	<b>Fair</b>	<b>Good</b>	<b>Excellent</b>
	<b>Low</b>	0.02	0.06	0.11	0.15
	<b>High</b>	0.04	0.11	0.18	0.25
<b>Rangeland Health Indicator [wt]</b>	<b>Potential for this Site</b>				
1. Number and extent of rills [1.0]	None to some on steeper slopes, moderate sheet & rill erosion hazard				
2. Presence of water flow patterns [1.0]	None to some on steeper slopes				
3. Number and height of erosional pedestals or terracettes [1.0]	None to some on steeper slopes (terraces)				
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, moderate wind erosion hazard				
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement				
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5				
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Very shallow, well drained cobbly clay loams: moderate OM (2-4%)				
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (60-70%) and gentle to very steep slopes (5-70%) moderately limit rainfall impact and overland flow				
11. Presence and thickness of compaction layer [1.0]	None				
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Bluebunch wheatgrass > idaho fescue > other grasses > shrubs > forbs				
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected				
14. Average percent litter cover and depth (inches) [1.0]	10-20% (to 0.75")				
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. 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		JD NORTH 12-16 PZ				
Site Number		010XB0700R				
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	0.07	0.20	0.34	0.47
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to very few on steeper slopes, moderate to significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to very few on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to very few on steeper slopes (terraces)					
4. Bare ground (rock, litter, lichen, moss, plant canopy are <i>not</i> bare ground) [1.0]	0-10%					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to deep, well drained silt loams, clay loams, stony or cobbly loams, or cobbly sandy loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (90-100%) and gentle to very steep slopes (12-70%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > forbs > other grasses > shrubs					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	20-50% (to 0.75")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1800, Normal: 1400, Unfavorable: 1000 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	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					

<b>Site Name</b>	<b>SHRUBBY MOUNTAIN NORTH 12-16 PZ</b>						
<b>Site Number</b>	<b>010XB071OR</b>						
<b>Plant Association</b>	<b>FEID/PUTR2-ARTRV</b>						
<b>Normal Lbs./Ac.</b>	<b>1600</b>						
<b>Range of composition and weight of species in HCPC with normal production:</b>				<b>% Comp. by Wt.</b>		<b>Lbs./Acre</b>	
<b>Common Name</b>	<b>Scientific Name</b>	<b>Symbol</b>	<b>Group</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>
<b>Grasses &amp; Grass-like Plants</b>				<b>64%</b>	<b>56%</b>	<b>704</b>	<b>1184</b>
Idaho fescue	Festuca idahoensis	FEID	1	40	60	640	960
bluebunch wheatgrass	Pseudoroegneria spicata	PSSP6	2	1	5	16	80
basin wildrye	Leymus cinereus	LECI4	2	1	2	16	32
needlegrass	Achnatherum	ACHNA	2	1	2	16	32
Other Perennial Grasses	N/A	PPGG	9	1	5	16	80
Sandberg bluegrass	Poa secunda	POSE				0	0
prairie Junegrass	Koeleria macrantha	KOMA				0	0
bottlebrush squirreltail	Elymus elymoides	ELEL5				0	0
mountain brome	Bromus marginatus	BRMA4				0	0
						0	0
<b>Forbs</b>				<b>6%</b>	<b>8%</b>	<b>64</b>	<b>176</b>
buckwheat (Eriog.)	Eriogonum	ERIOG	7	1	2	16	32
lupine	Lupinus	LUPIN	7	1	2	16	32
milkvetch	Astragalus	ASTRA	7	1	2	16	32
Other Perennial Forbs	N/A	PPFF	9	1	5	16	80
fleabane	Erigeron	ERIGE2				0	0
agoseris	Agoseris	AGOSE				0	0
wild onion	Allium	ALLIU				0	0
phlox	Phlox	PHLOX				0	0
beardtongue	Penstemon	PENST				0	0
common yarrow	Achillea millefolium	ACMI2				0	0
lomatium (gen.)	Lomatium	LOMAT				0	0
western stoneseed	Lithospermum ruderalis	LIRU4				0	0
groundsel	Senecio	SENEC				0	0
Indian paintbrush	Castilleja	CASTI2				0	0
bluebells	Mertensia	MERTE				0	0
larkspur	Delphinium	DELPH				0	0
waterleaf	Hydrophyllum	HYDRO4				0	0
Brown's peony	Paeonia brownii	PABR				0	0
tapertip hawksbeard	Crepis acuminata	CRAC2				0	0
woodland-star	Lithophragma	LITHO2				0	0
<b>Shrubs</b>				<b>28%</b>	<b>33%</b>	<b>304</b>	<b>704</b>
antelope bitterbrush	Purshia tridentata	PUTR2	11	10	20	160	320
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV	12	2	5	32	80
basin big sagebrush	Artemisia tridentata ssp. tridentata	ARTRT	12	2	5	32	80
common snowberry	Symphoricarpos albus	SYAL	14	1	3	16	48
squaw apple	Peraphyllum ramosissimum	PERA4	14	1	2	16	32
wax currant	Ribes cereum	RICE	12	1	2	16	32
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3	12	1	2	16	32
Other Shrubs	N/A	SSSS	15	1	5	16	80
Saskatoon serviceberry	Amelanchier alnifolia	AMAL2				0	0
rose	Rosa	ROSA5				0	0
chokecherry	Prunus virginiana	PRVI				0	0
rabbitbrush	Chrysothamnus	CHRY59				0	0
<b>Trees</b>				<b>3%</b>	<b>3%</b>	<b>32</b>	<b>64</b>
ponderosa pine	Pinus ponderosa	PIPO	16	1	2	16	32
western juniper	Juniperus occidentalis	JUOC	16	1	2	16	32
						0	0
<b>Totals</b>				<b>100%</b>	<b>100%</b>	<b>1104</b>	<b>2128</b>

Site Name		SHRUBBY MOUNTAIN NORTH 12-16 PZ				
Site Number		010XB071OR				
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	0.25	0.42	0.59
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None to very few on steeper slopes, moderate to significant sheet & rill erosion hazard					
2. Presence of water flow patterns [1.0]	None to very few on steeper slopes					
3. Number and height of erosional pedestals or terracettes [1.0]	None to very few on steeper slopes (terraces)					
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Moderately deep to shallow, well drained loams or shaly loams: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and gentle to very steep slopes (12-60%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > antelope bitterbrush > other shrubs > bluebunch wheatgrass > forbs > other grasses					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	30-50% (to 0.75")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 2000, Normal: 1600, Unfavorable: 1200 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. 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		JD MOUNTAIN CLAYPAN 12-16 PZ				
Site Number		010XB0800R				
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	0.19	0.27
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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow with a strongly developed claypan with stony loams or clay loams, silt loams, or cobbly clay loams 5-10" thick: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (70-80%) and gentle slopes (2-15%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > scabland sagebrush > other grasses > forbs > western juniper					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-15% (<0.5")					
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. 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		JD MOUNTAIN CLAYPAN NORTH 10-12 PZ				
Site Number		010XB081OR 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	0.29
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, 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]	Significantly resistant to erosion: aggregate stability = 4-6					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow with a strongly developed claypan with silt loams, or silty clay loams 5-10" thick: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Significant ground cover (80-90%) and gentle to moderate slopes (15-45%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > scabland sagebrush > other grasses > forbs > western juniper					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	10-20% (<0.5")					
15. Expected annual production (total above-ground) [1.0]	Favorable: 1000, Normal: 800, Unfavorable: 600 lbs/acre/year at high RSI (HCPC)					
16. Potential invasive (including noxious) species (native and non-native) [1.0]	Perennial brush species will increase with deterioration of plant community. Western Juniper readily 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		JD SHRUBBY MOUNTAIN CLAYPAN 12-16 PZ				
Site Number		010XB082OR				
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	0.15	0.24	0.34	
Rangeland Health Indicator [wt]	Potential for this Site					
1. Number and extent of rills [1.0]	None, moderate to significant 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, moderate wind erosion hazard					
7. Amount of litter movement (size and distance of travel) [1.0]	Fine - limited movement					
8. Soil surface resistance to erosion (average stability values) [1.0]	Moderately resistant to erosion: aggregate stability = 3-5					
9. Soil surface structure and Soil Organic Matter (SOM) content [1.0]	Shallow with a strongly developed claypan with loams, or clay loams 5-10" thick: moderate OM (2-4%)					
10. Effect of plant community composition and spatial distribution on infiltration & runoff [1.0]	Moderate ground cover (50-60%) and gentle slopes (2-12%) effectively limit rainfall impact and overland flow					
11. Presence and thickness of compaction layer [1.0]	None					
12. Functional / structural groups (listed in order of descending dominance) [1.0]	Idaho fescue > bluebunch wheatgrass > antelope bitterbrush > scabland sagebrush > other grasses > forbs > western juniper					
13. Amount of plant mortality and decadence [1.0]	Normal decadence and mortality expected					
14. Average percent litter cover and depth (inches) [1.0]	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 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					