

Project Site Name:

Total number of Map units within Project Site:

Map Unit Number:	Dates of map unit transects:
Total number of transects:	Total number of photos:
Names of transects:	Aspect of MU: Slope of MU:
Map Unit Description (1 to 2 sentences describing vegetation, topography, and other features relevant to sage-grouse within map-unit):	
Season during which this map unit was evaluated (circle): nesting late brood-rearing winter	
Indicate potential seasonal habitats in this map unit (circle): nesting late brood rearing winter	
Should this map unit be revisited to complete additional seasonal habitat evaluation? If yes, which ones?	
Notes:	

Score Sheet for Rating Resistance and Resilience to Disturbance to Invasive Annual Grasses in the Great Basin (adapted from Miller et al. 2014)

Map Unit Name/Number:	Ecological Site Name/Number:	Date:
Acreage of Map Unit/Ecosite:	UTMs:	
SITE CHARACTERISTICS	SITE CONDITION (select one)	SITE SCORE
Temperature (Soil temperature regime + Species or subspecies of sagebrush) - Desktop		
Soil temperature regime	1 = hot-mesic 2 = warm-mesic 3 = cool-mesic or cool-cryic 4 = warm frigid 5 = cool-frigid 6 = warm-cryic	
Species or subspecies of sagebrush	1 = Wyoming, low, black, or Lahontan 2 = basin, Bonneville, or xeric 3 = mountain	
Moisture (Precipitation + Soil Texture + Soil Depth) - Desktop		
Precipitation (in)	1 = <10 2 = 10-12 3 = 12-14 4 = >14	
Soil texture	1 = clay, sand, or silt 2 = silty loam, sandy loam, or clay loam 3 = loam	
Soil depth (in)	0 = very shallow (<10) 1 = shallow (10-20) 3 = moderately deep to deep	
Vegetation (Plant groups modified by soil depth) - On-Site		
Plant Groups Deep-rooted perennial grasses (DRPG) potentially dominant in shallow to deep soils >10 in. Sandberg bluegrass (POSE) potentially dominant in very shallow soils <10 in. Perennial forbs (PF) Invasive annual grasses (IAG)	0 = DRPG and POSE scarce to severely depleted (DRPG < 2-3/m ²) and less than 5% foliar cover 3 = DRPG on soils >10 in. scarce, but POSE or PF >50% foliar cover 6 = DRPG on soils >10 in. depleted (2-3/m ² or about 5-10% foliar cover) and/or co-dominant with IAG, or on soils < 10 in. POSE and PF 5-15% foliar cover and co-dominant with IAG. 9 = DRPG and PF dominant on soils > 10 in. or POSE and PF dominant on soils < 10 in.	
TOTAL:		
R & R RATING (circle one)	Very low < 10; Low = 10-14; Moderate = 15-20; High > 20	

Guide to Soil Temperature Regime

	Hot-Mesic	Warm-Mesic	Cool-Mesic	Warm-Frigid	Cool-Frigid	Warm-Cryic	Cool-Cryic
PPT (in)	<4	4-8	8-12	12-14	14+	16+	18+
Moisture Regime	Dry Aridic	Typic Aridic	Aridic bordering Xeric	Xeric bordering Aridic	Typic Xeric	Typic Xeric	Typic Xeric
Indicator Plants	PIDE4, ATCO, SABA14, SAVE4, ACHY, LYSH, PLJA	PIDE4, ATCO, KRLA2, HECO26, ACHY	ARNO4, ARTRW8, JUOS, JUOC, ACTH7	ARNO4, ARAR8, ARTRV, ARTRW8, JUOS, JUOC, PIMO, ACTH7	ARTRV, SYMPH, AMAL2, PIMO, JUOS, JUOC, FEID, ACNE10, POTR5	ARTRV, ARSP8, ARAR8, SYMPH, AMAL2, CELE3, ABCO, POTR5	PIEN2, PIAR, PIFL2
Ecological Zones	Salt Desert Scrub	Desert Basin	Sagebrush Semi-Arid	Upland Sagebrush, Juniper/ Pinon	Upland Mountain Sagebrush, Pinon/ Juniper	Mountain Sagebrush	High Mountain

**Derive from NRCS Official Soil Series Description (OSDs) based on Soil Web Survey's Map Unit Descriptions*

Example of Cool-Frigid:

TAXONOMIC CLASS: Loamy skeletal, mixed, superactive, frigid Typic Argixerolls

The mean annual precipitation is about 360 mm.

Ability to Control Wildfire Scorecard

Map Unit Name/Number:	Ecological Site Name/Number:	Date:
Acreeage of Map Unit/Ecosite:	UTMs:	
SITE CHARACTERISTICS	SITE CONDITION (select one)	SITE SCORE
Topography/ Access/ Response Time - Desktop		
Average percent slope in project area (GIS)	1 = 0-10% 3 = 11-25% 5 = greater than 25%	
Access to project area for suppression resources	1 = paved road 2 = improved dirt road 4 = unimproved two-track 5 = hike or aircraft	
Response Time of Fire Suppression Resources for Initial Attack	1 = Less than 1 hour 3 = 1-2 hours 5 = greater than 2 hours	
Average aspect of project site (GIS)	1 = N,NE 2 = NW, E 3 = W. SE 4 = S, SW, Flat	
Road Distance to Available Water Sources	0 = <1 mile 3 = 1 to 3 miles 5 = >3 miles	
Vegetation/Fuel Type/Ignition Risk – On-Site		
Dominant fuel type in project area <small>(Fire Behavior Fuel Models based on USDA Forest Service Gen. Tech. Rep. RMRS-GTR-153. 2005)</small>	0 = Irrigated pasture (NB3) 1 = Riparian wet meadow (GR3) 3 = Perennial Grass (GR1, GR2, GR4) 5 = Shrub (SH1, SH2) 7 = Grass/Shrub (GS1, GS2) 8 = Heavy Shrub/Grass (SH5, SH7) 10 = Pinyon/Juniper (TU1, TU4, TU5)	
Dominant fuel type adjacent to the project area (w/in 1 mile)	0 = Irrigated (NB3) / Riparian (GR3) 1 = Perennial Grass (GR1, GR2, GR4) 5 = Shrub (SH1, SH2) 7 = Shrub/Grass (GS1, GS2) 8 = Heavy Shrub/Grass (SH5, SH7) 10 = Pinyon/Juniper (TU1, TU4, TU5)	
Invasive Annual Grass Cover <small>(Based on HQT data)</small>	0 = 0% 5 = 1-5% 10 = >5	
Vegetation Condition Class VCC <small>(departure from historic conditions) LANDFIRE Map</small>	1 = Low 2 = Moderate 3 = High	
TOTAL:		
WILDFIRE RATING (circle one)	High < 21; Moderate = 21-35; Low = >35	

Project site:

Date:

Transect ID:

Bearing:

