

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):		
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 https://casoilresource.lawr.ucdavis.edu/soil-properties/ -> Land Use -> Soil Temp Reg	1 = hot-mesic (4" precip.) 2 = warm-mesic (4-8" precip.) 3 = cool-mesic or cool-cryic (8-12" or 18+" precip.) 4 = warm frigid (12-14" precip.) 5 = cool-frigid (14+" precip.) 6 = warm-cryic (16+" precip.)	
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		
Derive from NRCS Official Soil Series Description (OSDs) based on Soil Web Survey's Map Unit Descriptions		
Precipitation (in)	1 = <10 2 = 10-12 3 = 12-14 4 = >14	
Soil texture (from the taxonomic class or typical pedon, not the soil layers)	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 (DRPR) 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	

Ability to Control Wildfire Scorecard

Map Unit Name/Number:	Ecological Site Name/Number:	Date:
Acreage 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 (Fire Behavior Fuel Models based on USDA Forest Service Gen. Tech. Rep. RMRS-GTR-153. 2005; https://www.fs.fed.us/rm/pubs/rmrs_gtr153)	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 (Based on HQT data)	0 = 0% 5 = 1-5% 10 = >5	
Vegetation Condition Class VCC View Data or Download Data (as ArcGrid); LF(Latest Year) -> Vegetation -> Vegetation Condition Class https://www.landfire.gov/viewer/	1 = Low 2 = Moderate 3 = High	
TOTAL:		
WILDFIRE RATING (circle one)	High < 21; Moderate = 21-35; Low = >35	

Project site:

Date:

Transect ID:

Bearing:

NEVADA CONSERVATION CREDIT SYSTEM HABITAT QUANTIFICATION TOOL

Site-Scale (4th Order) Attribute Measurements

Site Name:			
Date:	Observers:	Start time:	End time:
Transect name:	Transect UTM E:	Transect UTM N:	
Transect Sample Bearing:	GIS/Camera / Photo #'s:		
Is transect located within what would generally be called a meadow? Yes No			
What sagebrush species is in the transect area (~2m on either side of tape) dominated by? Big Low/Black N/A			

DISTANCE TO SUITABLE SAGEBRUSH COVER (10% COVER PER 30M X 30M AREA WITH AVG HEIGHT OF 30CM)

Distance from 30m mark (m): _____ *if transect within suitable cover, distance = 0
 Species of Sagebrush at Cover: _____

LINE INTERCEPT (SHRUB COVER)

Low/Big Sagebrush/ Other	Start (m)	Stop (m)	Sagebrush Height (cm)	Low/Big Sagebrush/ Other	Start (m)	Stop (m)	Sagebrush Height (cm)

<p>Shrub species encountered in the transect area (~2m on either side of tape):</p>	<p>Notes for Line Intercept:</p>
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DAUBENMIRE PLOTS (HERBACEOUS COVER)

Percent cover using the following coverage classes: 0 = 0%, 1 = >0-5%, 2 = 6-25%, 3 = 26-50%, 4 = 51-75%, 5 = 76-95%, 6 = >96%

PF = Perennial Forbs; PG = Perennial Graminoids; IAG = Invasive Annual Grasses

(State Listed Noxious Weeds are not Counted)

Plot #	Functional Group	Cover Class
1	PF	
	PG	
	IAG	

Plot #	Functional Group	Cover Class
4	PF	
	PG	
	IAG	

Plot #	Functional Group	Cover Class
2	PF	
	PG	
	IAG	

Plot #	Functional Group	Cover Class
5	PF	
	PG	
	IAG	

Plot #	Functional Group	Cover Class
3	PF	
	PG	
	IAG	

UNIQUE PERENNIAL & ANNUAL FORBS IN DAUBENMIRE FRAMES

List all unique forb species rooted in all Daubenmire plots within this transect:

Total Count: _____

(State Listed Noxious Weeds are not Counted)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ALL SPECIES LIST

<p>Graminoid and other Forb species encountered in the transect area (~2m on either side of tape):</p>	<p>All invasive and noxious (*) weeds encountered in the transect area (~2m on either side of tape) and a rough cover estimate of each:</p>	<p>Notes for Daubenmire plots:</p>
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