

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

This draft ecological site description is approved for field use and testing for a one year period beginning MM, YYYY.
Additional information and comments on this site should be sent to the Utah State Range Management Specialist.

STATE: Utah

SITE TYPE: Rangeland

ECOLOGICAL SITE NAME: Subalpine Wet Meadow (Sedge)

SITE NUMBER: 047AY660UT

MLRA: 047A

Original Site Description: Author: DLT, TW

Date: 12/16/1992

Revised Site Description: Author:

Date:

Approved by: Title: State Range Cons. Signed: Pat Shaver

Date:

Ecological Site Definition - A distinctive kind of land, with specific physical characteristics, which differs from other kinds of land in its ability to produce a distinctive kind and amount of vegetation, and in its response to management.

A. PHYSICAL CHARACTERISTICS

(description narrative of this particular site)

1. SOILS

Depth: 40->60 inches

Surface Textures: Dark (Mollic), Clay

Surface Fragments(<=3" % cover, >3" % cover):

Subsurface Textures:

Subsurface Fragments(<=3" % vol, >3" % vol): 35-50%

Geologic Parent Materials: Alluvium from Sedimentary Materials

Moisture Regime:

Temperature Regime:

Runoff:

Permeability(min-max):

Drainage Class(min-max): Very Poorly Drained

Water Erosion Hazard:

Wind Erosion Hazard:

Electrical Conductivity (EC in mmhos/cm):

Sodium Adsorption Ration (SAR):

Soil Reaction (1:1 water):

Soil Reaction (0.1 M CaCl₂):

pH Range:

Available Water Capacity (inches): 0.19-0.21

Major Soils Associated With This Site:

Soil Survey Area: 613

Dilman Family Clay 0-3%

Additional information may be found in Section II of the Field Office Technical Guide.

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1. Potential Plant Community Description and Ecological Factors

The general view of this site is sedge and grass. The composition by air-dry weight is approximately 70 to 100 percent sedge and grass.

2. Plant Community Composition by Weight and Percentage

Grasses and Grasslike, %

Common Name	National Symbol	Group	Pounds per Acre		% by Weight of Total Composition	
			Low	High	Low	High
Swollen beaked sedge	CARO6		350	525	10	15
Leafy tussock sedge	CAAQ		350	525	10	15
Nebraska sedge	CANE2		350	525	10	15
Brown bog sedge	CABU6		350	525	10	15
Small wing sedge	CAMI7		350	525	10	15
Tufted hairgrass	DECE		350	525	10	15
Alpine meadow foxtail	ALAL2	1	105	175	3	5
Fowl mannagrass	GLST	1	105	175	3	5
Fowl bluegrass	POPA2	1	105	175	3	5
Bluejoint	CACA4	1	105	175	3	5
Redtop	AGST2	1	105	175	3	5
Other perennial grasses	PPGG	1	175	350	5	10
Other annual grasses	AAGG	1	175	350	5	10

3. Plant Community Annual Production

At the highest potential similarity index, this site will produce approximately the following amount of air-dry herbage, expressed as pounds/acre:

	Low	High
Favorable Year	4400	4500
Average Year	3400	3500
Unfavorable Year	1900	2000

4. Ground Cover and Structure

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 a. Vegetative

Vegetation Type	Percent Canopy Cover	Height Range (ft.)	Percent Basal Area Cover
Grasses & Grass-like (perennial)	100	2	95
Forbs (perennial)			
Shrubs			
Trees			
Cryptogams			

b. Other

Litter	
Coarse Fragments	
Bare Ground	

5. Ecological Dynamics of the Site

As this site deteriorates due to grazing pressure, perennial grasses decrease while sedges increase.

Plant Communities & Transitional Pathways

(Show a steady state diagram with influences to move from one steady state to another)

6. Plant Growth Curves

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Percent Growth	0	0	0	0	10	30	40	20	0	0	0	0
Name	PNC											
ID Number	UT6601											
Description	Excellent Condition											

7. Aspect Differences Near MLRA Boundaries

(Give related range sites in MLRA's above and below)

8. Associated Sites Within MLRA

047AY624UT
 Subalpine Semiwet Meadow (Tufted hairgrass)

047AY610UT
 Subalpine Gravelly Loam (Subalpine fir)

9. Correlated Sites in Other States

(Give site name and number)

D. MAJOR USES OF THIS SITE

1. Livestock

a. Site Factors Influencing Management

This site provides grazing for cattle during the summer and fall.

b. Guide to Forage Quality (Plant preference by season)

Species	Oct-Nov	Dec-Feb	Mar-May	Jun-Sep

VG = Very Good G = Good F = Fair P = Poor

2. Wildlife

a. Site Factors Influencing Management

Water, food, and cover

b. List of Potential Species Present

Wildlife using this site include rabbit, coyote, elk, mule deer, moose, and vole.

This is a short list of the more common species found. Many other species are present as well and migratory birds are present at times.

c. Guide to Forage Preference of Managed Wildlife Species

Wildlife Species →				
Plant Species ↓	Use	Season	Use	Season

Use - A = preferred or desirable
 B = some use, but less important
 C = little use or used occasionally

Season - F = Fall (Oct-Nov)
 W = Winter (Dec-Feb)
 Sp. = Spring (Mar-May)
 Su. = Summer (Jun-Sep)

3. Recreational Uses

Hiking and hunting

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4. Wood Products

None

5. Other Uses

E. THREATENED AND ENDANGERED SPECIES

1. Plants
2. Animals

F. MODAL LOCATION AND DOCUMENTATION

State: Utah County:
 Latitude: Longitude:

Modal Soil: Dilman Family Clay 0-3% — fine-loamy/sandy or sandy-skeletal, mixed Typic Cryoborolls

Type Location: SW ¼; NW ¼; SE ¼; Section 23, Township 2N, Range 11E

General Legal Description:

Field Office Site Location

Logan
 Murray
 Provo
 Price
 Richfield

Data Collected and References

Sampling Source	Number of Records	Range Similarity Index			
		> 76%	51-75%	26-50%	0-25%
NRCS - ECS - 417					
UTAH - RANGE - 2	3				
Permanent Transect Location					

Other References