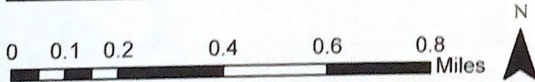




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N



Center: 120°0'54.33958"W 38°43'36.97542"N Lake Tahoe Basin - Meiss Lake

# Meadow Condition Scorecard

Version: 10/6/19

Meadow Name <u>Meiss Lake Meadow</u>	Date: <u>07, 24, 2024</u> MM DD YYYY
GPS Location: <u>38° 43' 37" N - 120° 0' 54" W</u>	
GPS Datum (e.g., WGS 84, NAD 27) _____	
Elevation (m) <u>8600'</u> <i>Upper Truckee</i>	Slope (°) _____ County <u>El Dorado / El Dorado</u>
Watershed (HUC8) <u>Truckee</u>	Landowner <u>ENF</u>
USGS Quad Name _____	7.5' or 15' (circle one)
Observers: <u>MEG/GG</u>	

Parameter	CONDITION CATEGORY			
	Natural Condition	Slightly impacted	Moderately Impacted	Heavily Impacted
<b>1. Bank Height in Main Channel (measured in the riffle).</b>	Little or no channel incision, Banks 0-2 feet high along >95% of the channel length.	Bank heights of 2-4 feet along less than 25% of the channel length; 0-2 feet elsewhere.	Bank heights of 2-4 feet along 25% or more of channel length; higher than 4 feet along less than 25% of channel length.	Bank heights > 4 feet along 25% or more of channel length. Note if sections of channel have banks 0-2 feet high.
Score: <u>2</u>	4	3	<u>2</u>	1
<b>Second Channel (if present):</b>	4	3	2	1
<b>2. Bank Stability</b>	<5% of bank length is unstable.	5-20% of bank length is unstable.	20-50% of bank is unstable	>50% of bank is unstable.
Score: <u>4</u>	<u>4</u>	3	2	1
<b>Second Channel (if present):</b>	4	3	2	1
<b>3. Gullies/ditches outside of main channel</b>	No gullies or ditches impacting hydrology outside of the main channel	Ditch or start of a gully outside of the main channel. Combined length of all gullies & ditches is less than 1/10 <sup>th</sup> meadow length.	<i>didn't walk full mdw so rounded up</i> Combined length of all gullies and ditches up to 1/2 of meadow length	Combined length of all gullies and ditches is greater than 1/2 of meadow length.
Score: <u>2</u>	4	3	<u>2</u>	1
<b>4. Vegetation Cover</b>	Graminoids account for 75-100% of the area covered by vegetation	50-75% graminoid cover	Forbs dominate. 25-50% graminoid cover.	Forbs dominate. <25% graminoid cover.
Score: <u>3</u>	4	<u>3</u>	2	1
<b>5. Bare Ground</b>	Bare ground covers less than 5% of the meadow area	Bare ground covers 5-10% of meadow area	Bare ground covers 10-15% of meadow area.	Bare ground covers > 15% of meadow area.
Score: <u>4</u>	<u>4</u>	3	2	1
<b>6. Conifer or Upland Shrub Encroachment</b>	No upland shrub or conifer encroachment. Raised, topographically distinct areas may have upland species present, but not the meadow surface.	Few encroaching upland species; <10% of total meadow area	Encroaching upland species cover 10-20% of total meadow area	Encroaching upland species cover >20% of total meadow area
<u>2</u> Score:	4	3	<u>2</u>	1
Total				17
Possible Points				24
Total/Possible				70.8%



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**Additional Observations:**

1.  Yes  No Evidence of conservation or restoration efforts (check dams, stabilized headcuts, enclosure fencing, etc.) Photo Numbers: 5560 & 5557  
Description: 2 Check dams and gabion str (protecting cabin)  
↳ mid meadow
2.  Yes  No Headcut present in meadow? Number of headcuts 1  
**Describe headcuts** (Photo number, jump height, width, length, movement potential. GPS or record location on map):  
possibly more headcuts but meadow is huge so couldn't walk all tributaries/ full channel length to assess  
Observed headcut w/ 1ft jump height w/ pot to migrate US into healthy inset FP
3.  Yes  No Meadow contains inset floodplain surrounded by upland vegetation?  
Describe Broad inset FP devel. ~~to~~ ~2-4ft below highest meadow surface (indicated by lots of willow!)
4.  Yes  No Invasive species observed? Describe \_\_\_\_\_
5.  Yes  No Fish observed? Describe Trout
6.  Recent  Old  None Evidence of beavers? Describe Ald dam? chewed willow + canals near Lake
7.  Yes  No Aspen present in or adjacent to meadow?
8.  Yes  No Accessible by vehicle?
9. Grazing observations. Check all that are present:  
 Trails  Stubble  Dung in channels  Hoof prints on banks
10. Human impacts. Check all that are present in the meadow:  
 Trail  Evidence of OHV use  Road  Corral  Building
11. Adjacent land use. Check all that are present within 200 yards of meadow:  
 Culvert  Bridge  Road  Building
12. Gopher disturbance covers 3.6 % of meadow area (from toe-point transects). → MEG & CG think this is an underestimate. Probs closer to ~15%
13. Willow, alder and aspen cover ~25% % of meadow area.
14. Comments on ease of/ barriers to restoration (e.g., are impacts localized or disbursed throughout meadow, access, adjacent land use) PCT runs through meadow, historic Meiss cabin on site, and no road access + HUGE remote meadow = barriers  
Ease of - lots of willow + obvious beaver evidence could be potential low-tech stror reintroduction project + reroute trail

**Additional Notes & Comments:**

Large meadow with potential for HUGE across increase in acreage/ rowatered area if reconnect upper FP  
Realistic project area is upper 2/3 of mcdw b/c lower 1/3 is in solid condition.

Meadow Name/Number Meiss Lake

Date \_\_\_\_\_

Observers MEG/CSG

	Graminoid	Forb	Bare: No Gopher	Bare: Yes Gopher	Other Cover: moss, litter, shrubs, etc.	Draw channel cross section, Label heights and widths
Upper Transect	25	25		5	3	
Middle Transect	19	28	1	2	3	
Lower Transect	63	16	1	0	5	
Sub-total	A: 102	B: 69	C: 2	D: 7	E: 11	

Total:	= A+B+C+D+E	191
Total Veg:	= A+B	171
Total Bare:	= C+D	9

10/2/191

Beaver dam  
upstream!!!

% Graminoid (Question 4)	= A/Total Veg X 100%	53.4%
% Bare (Question 2)	= Total Bare/Total X 100%	4.7%
% Gopher Disturbed (for Add'l ?'s)	= D/Total X 100%	3.6%

## Meadows Assessment Photo Log

Photo #	Description	Notes
5545	2° channel upstream	
5546	2° channel looking DS	
5547	inset FP in 2° channel	
5548	encroachment above 2° channel	
5549	main channel incised near confluence	
5550	incised/unstable bank upper 1/3 of meadow (incision ~ 7-8')	
5551	remnant channel above incised channel in #5550	
5552	incised channel above trail xing	
5553	trail xing below #5552	
5554	historic cabin sign	
5555/5556	hist cabin site	
5557	gabian below cabin + incised channel	
5558	incised channel looking DS from cabin	
5559	dry meadow surface mid-meadow	

**Meadows Assessment Photo Log (Continued)**

Photo #	Description	Notes
5560	check dam below trail crossing	273 downstream from top of mdw - incised 18'

Additional Notes: