Rangeland Monitoring App Dave Voth

Rangeland Health Coordinator

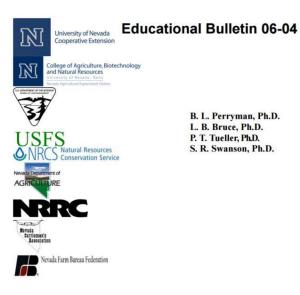


Built with the producer in mind

- A tool to help the producer be more successful
- Provides defendable data
- FREE



Ranchers' Monitoring Guide



B. L. Perryman, Ph.D. L. B. Bruce, Ph.D.

P. T. Tueller, Ph.D.

S. R. Swanson, Ph.D.

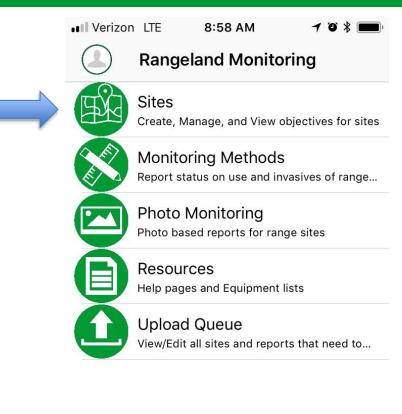


Acceptable Data

 When individuals apply the procedures in this guide with professional integrity, the information gathered is acceptable to federal and state cooperating agencies. It is important to coordinate monitoring of public lands whenever possible. All who collect monitoring information should properly reference/document the data so it may contribute to evaluating whether rangelands are meeting standards, goals, and/or objectives.

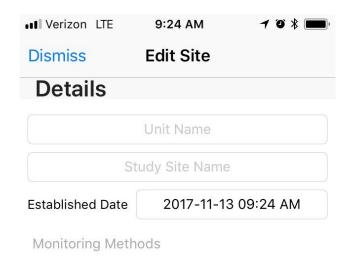


Home Screen





Initial Site Information





Enter Objectives for this Location Here

Location

Latitude 40.86936 Longitude -115.7273 Accuracy 30.0 m





SMART Objectives

- Specific
- Measurable
- Achievable
- Related/Relevant
- Trackable

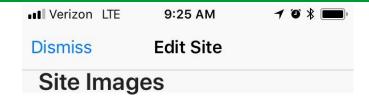


Example

 To increase native perennial grass density from one per square meter to three or more per square meter over the next ten years, at key area #1



Initial Site Information



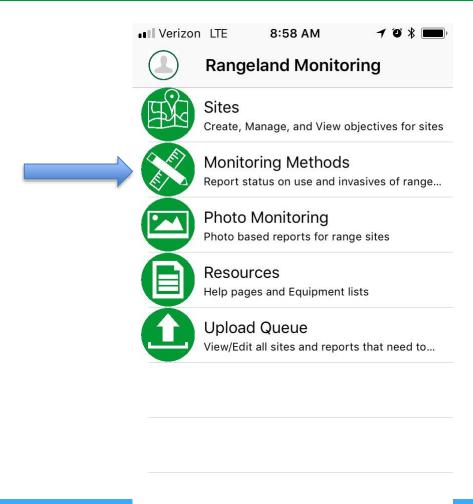


Tap Here to Add Photo

Characteristics			
Landform			
Percentage of Slope			
Range Site			
Aspect			

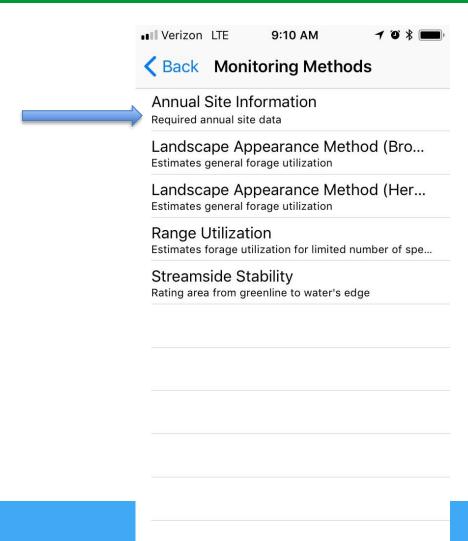


Choose a Method





Annual Site Information

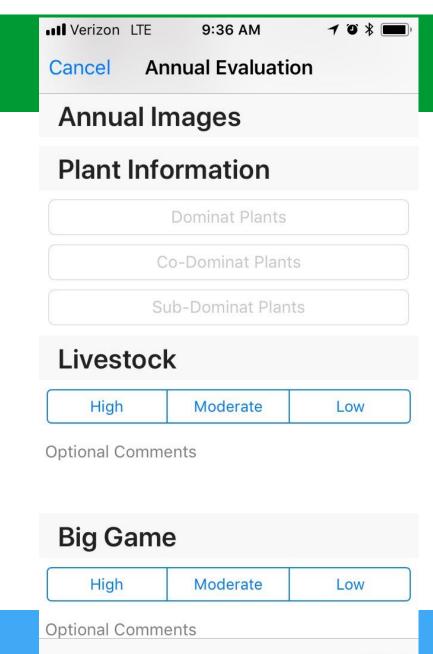




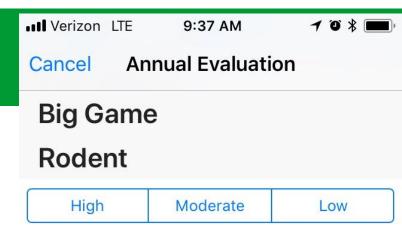
Annual Site Information

•• Verizon LIE	9:43 AM	708		
Cancel An	ınual Evaluati	on		
Use Information				
	Site			
20	17-11-13 09:37 /	AM		
Low) for one of below. Other u if they do n specific as po capture anyth the use on the range specialis	general use (Hig r more of the ca se categories ca ot appear on thi ossible. Use the ling significantly his site. Consult st to determine to tate, or low degr	tegories listed an be identified s list. Be as comments to unique about your agency their definition		
Kind	and Class of Ar	nimal		
N	umber of Anima	ls		
Dates of Use				
	From			
	То			
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Optional Comments

Insects

High Moderate Low

Optional Comments

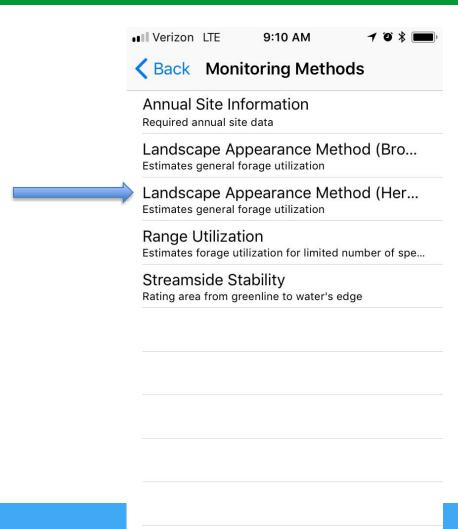
Wild Horse/Burros

High Moderate Low

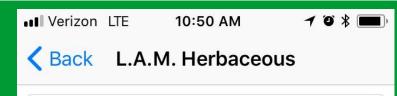
Optional Comments



Monitoring Methods







Study Site

Class (Midpoint) Counte	r	Count x Midpoint
i 0-5% — +	0	0
i 6-20% — +	0	0
i 21-40% — +	0	0
i 41-60% — +	0	0
i 61-80% — +	0	0
i 81-94% — +	0	0
i 95-100% - +	0	0

NDA Nevada Department

Totals

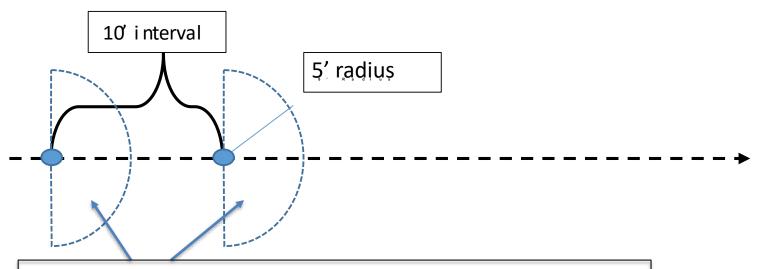
Save

Procedure for Landscape Appearance (Browse)

- Select and record a beginning point for a permanent transect within a key area.
 The site should be permanently marked for future use.
- Fill out a Site Information Sheet found on the home screen. Be sure to label both the Unit Name AND the Study Site Name. Choose initial or annual.
- Take a photograph looking down the transect. Use the images icon at the bottom of the sites page. Try to include a permanent feature in the background for future reference.
- Make sure that the transect remains within the same ecological site (meadow type, sage brush type, etc.)
- Observe and record 25 samples of utilization per transect. A sample interval of 10 feet works well for this method.
 Use a pre-determined number of paces to ensure that samples are accurately

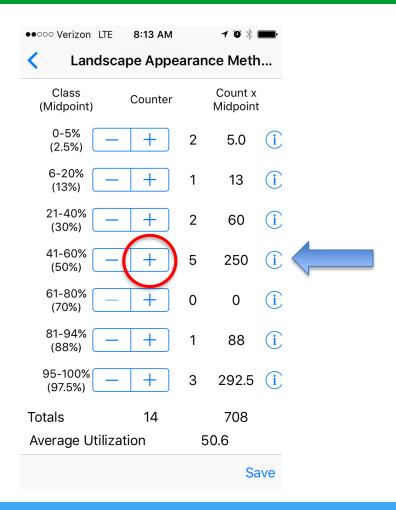






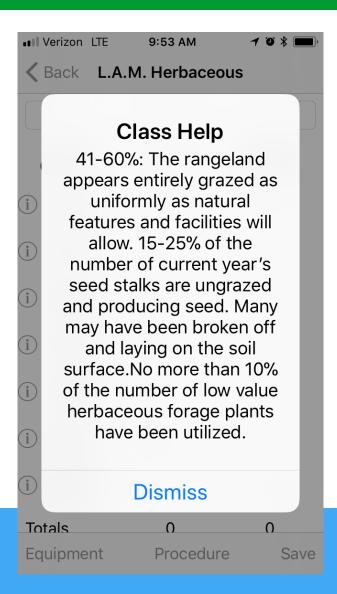
Determine which Landscape Appearance class most accurately represents the vegetation use within this 180° arc.







Class Help







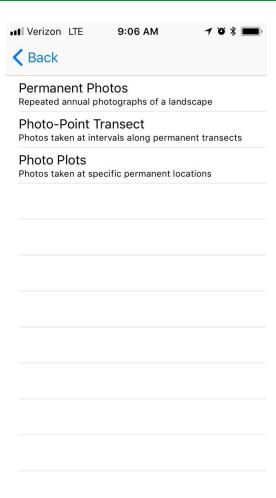
Class (Midpoint)	Counter	Count x Midpoint		
0-5% (2.5%)	- +	2	5.0	i
6-20% (13%)	- +	1	13	i
21-40% (30%)	- +	2	60	i
41-60% (50%)	- +	5	250	i
61-80% (70%)	- +	0	0	i
81-94% (88%)	- +	1	88	i
95-100% (97.5%)	- +	3	292.5	i
Totals	(14)		708	
Average Uti	lization	5	0.6	
			Sa	ve

Contact Information

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Photo Monitoring





Resources Page

