# 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.

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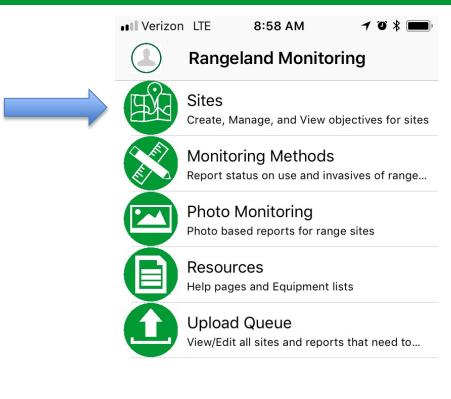


## **Acceptable Data**

 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.

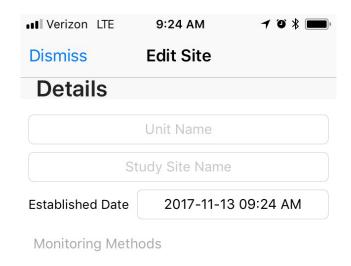


### Home Screen





#### 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

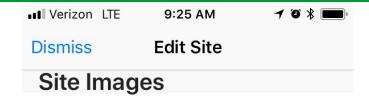


## Example

 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**



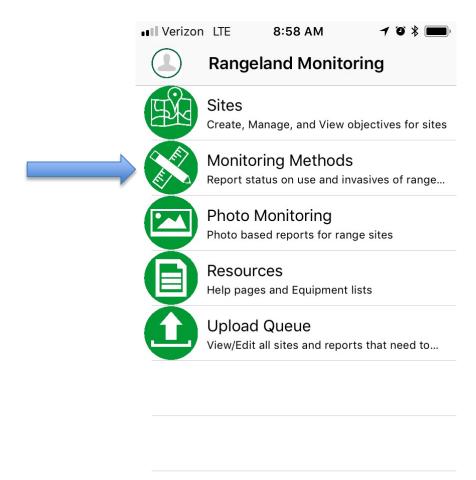


Tap Here to Add Photo

Characteristics				
	Landform			
	Percentage of Slope			
	Range Site			
	Aspect			

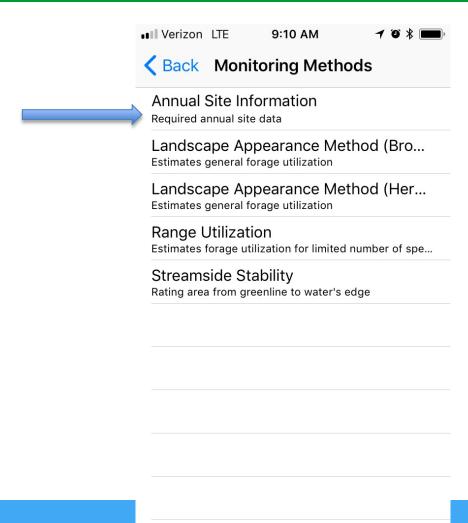


#### Choose a Method





#### **Annual Site Information**

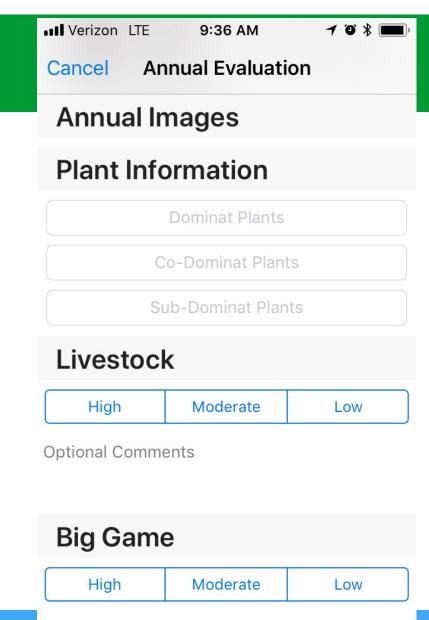




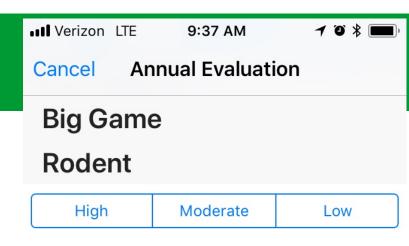
### **Annual Site Information**

■■■ Verizon LTE	9:43 AM	<b>1</b>			
Cancel An	nual Evaluati	on			
Use Information					
	Site				
201	7-11-13 09:37 /	AM			
Indicate the general use (High, Moderate, Low) for one or more of the categories listed below. Other use categories can be identified if they do not appear on this list. Be as specific as possible. Use the comments to capture anything significantly unique about the use on this site. Consult your agency range specialist to determine their definition of high, moderate, or low degree of use. This					
Kind	and Class of An	imal			
Nu	umber of Anima	s			
Dates of Use					
	From				
	То				
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**Optional Comments** 

#### **Insects**

High Moderate Low

**Optional Comments** 

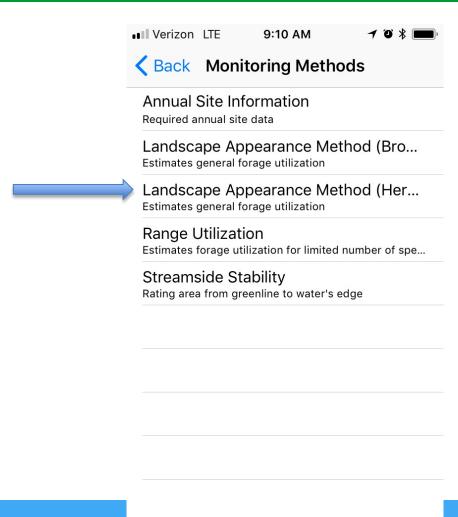
#### Wild Horse/Burros

High Moderate Low

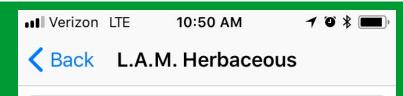
**Optional Comments** 



# **Monitoring Methods**







#### Study Site

	,	
Class (Midpoint)	ounter	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% — (97.5%)	+ 0	0



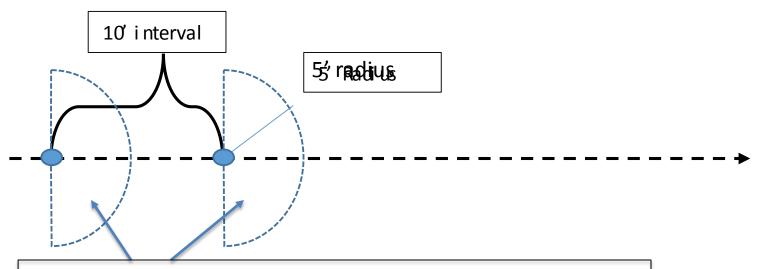


#### <u>Procedure for Landscape</u> <u>Appearance (Browse)</u>

- 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

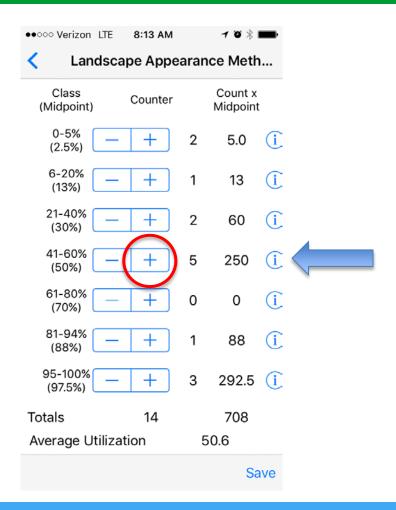
agri.nv.gov





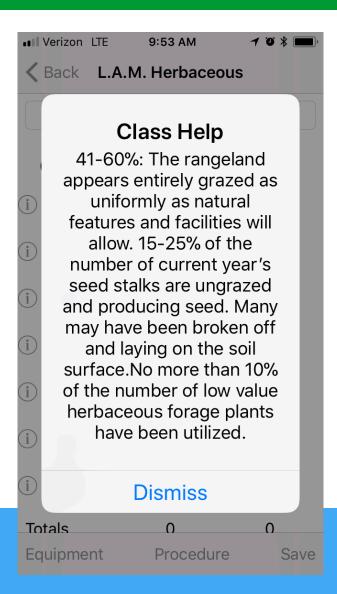
Determine which Landscape Appearance class most accurately represents the vegetation use within this 180° arc.



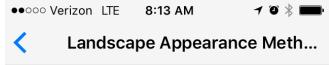




## Class Help







Class (Midpoint)	Counter	Count x Midpoint		
(imaponit)			maponit	
0-5% (2.5%)	<b>-</b>   +	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 Utilization 50.6				

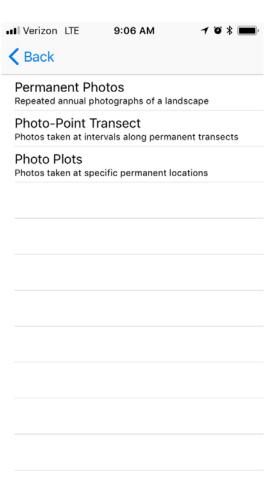
Save

#### **Contact Information**

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## **Photo Monitoring**





# Resources Page

