

# SUSTAINABILITY IS A BRIDGE. REGENERATION IS THE DESTINATION.

#### Degenerating

Soil is degrading, biodiversity is decreasing, water is evaporating

Sustainable

The land is in a steady, static state 

#### Regenerating

Soil is restored, biodiversity grows, water and carbon are absorbed



Regenerative agriculture is both process and result, but no metode.

Regenerativity can be measured!

### EOV MEASURES THE HEALTH OF THE LAND AS A LIVING SYSTEM



#### Soil Health

Healthy soils absorb more carbon, retain more water, and are richer in fertility





#### Biodiversity

Plants are more varied and resilient, domestic animals and wildlife are more plantiful





#### **Ecosystem Function**

Water, minerals, nutrients and energy are cycled through a continual process of birth, growth, death and decay and back to birth again

https://savory.global/land-to-market/

# Our strategy: a market driven cultural change

Identify products that come from sustainably managed grasslands

Create a market demand

Sustainable stewardship of land and lifestyle

Install a culture of conservation Adaptive Management that includes biodiversity

Sustainable profit

High quality and volume of wool and meat Biological indicators of land recovery

Increased biodiversity

Increased biodiversity
Soil stability

High carbon sequestration



### Land to Market

Land to Market Is the world's first outcome-based, verified regenerative sourcing solution for meat, dairy, wool, leather, and ecosystem services. It offers a unique value proposition that is authentic, effective, and scalable. L2M packages the empirical data derived from EOV, connects conscientious brand partners directly to EOV supply, and supports them with education, storytelling, and communications strategies.

409 LANDBASES VERIFIED

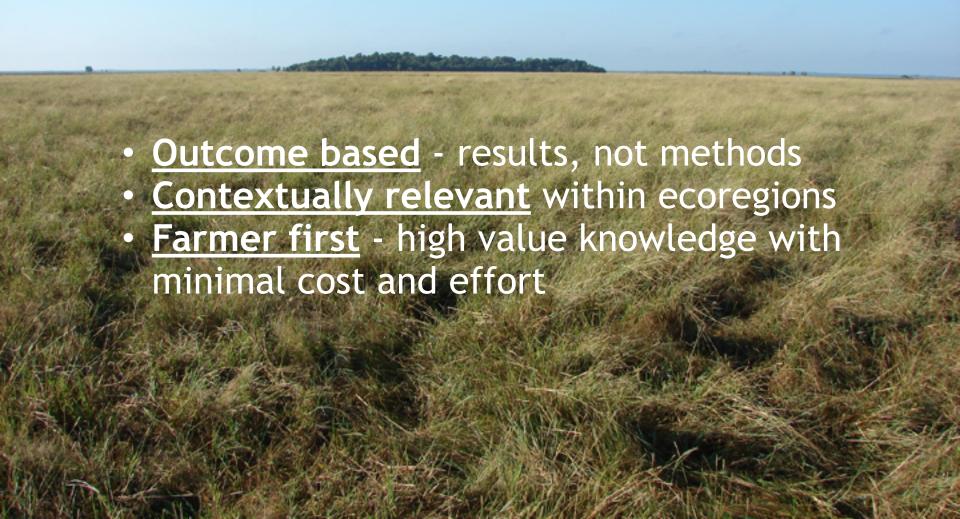
963,647 HECTARES 2,381,224 ACRES

60+ PARTNER BRANDS

1,000+ products verified







# Key indicators

STM (fast variables)

LTM (slow variabler)

	Leading indicators	Lagging indicators
Soil and vegetation	Ecological health index (EHI)	Infiltration Soil development Soil carbon Living organisms Plant biodiversity index Biomass
(Livestock production)	Forage availability Production Body condition Fertility	Herd productivity Length of season
(Wildlife population)	Abundance % juvenile recruitment	Population density

# EOV on the farm

Long term monitoring (LTM) Baseline Long term monitoring (LTM)

Animal production	Animal production	n production production  I Planned Planned		Animal production
Planned grazing	Planned grazing			Planned grazing
Annual assessment (STM)	Annual assessment (STM)	Annual assessment (STM)	Annual assessment (STM))	Annual assessment (STM)

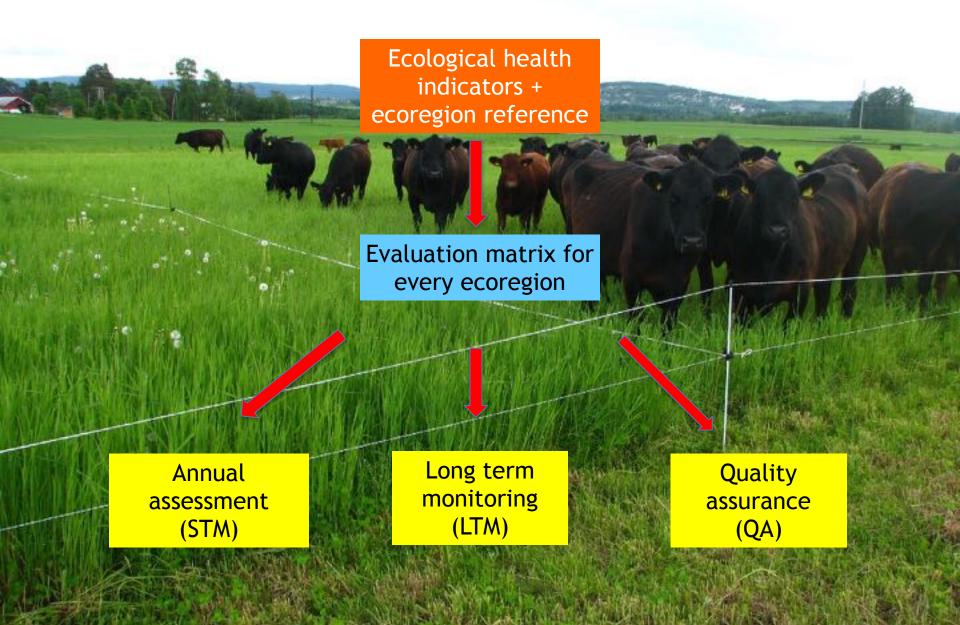
Verification

Year 1 Year 2 Year 3 Year 4 Year 5

# EOV on the farm

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		Verification		
Year 1	Year 2	Year 3	Year 4	Year 5

# Ecological health index (EHI)



	9 70 9 9 9 9			Ecosystemprocesses			
	Indicator	Unit	Туре	Water	Minerals	Energy	Communi ty dynamics
1	Live canopy abundance	Biomass, % of site potential	Rel.		1 20 To		
2	Living organisms	Evidence	Abs.			74744	The Malas
3	Warm season grasses (C4)	Vigour, reproduction & crown integrity	Rel.				
4	Cool season grasses (C3)	Vigour, reproduction & crown integrity	Rel.				
5	Forbs & legumes	Vigour, reproduction & crown integrity	Rel.	A AL			
6	Trees & shrubs	Vigour, reproduction & crown integrity	Rel.				
7	Contextually desirable sp.	Frequency	Rel.				
8	Contextually undesirable sp.	Abundance & reproduction	Rel.	The second second			
9	Litter abundance	% cover	Rel.			- 5	
10	Litter incorporation	Litter/soil contact	Abs.	Service Control		MC CO	-
11	Dung decomposition	Age & structure	Abs.	The Park			
12	Bare soil	% cover	Rel.				
13	Capping	Surface soil resistance	Abs.			-	-
14	Wind erosion	Active blowouts & pedestaling	Abs.			to and	
15	Water erosion	Litter movement, flows, rills & gullies	Abs.			A STATE OF	



#### **SCIENTIFIC ROBUST:**





Article

#### Ecological Health Index: A Short Term Monitoring Method for Land Managers to Assess Grazing Lands Ecological Health

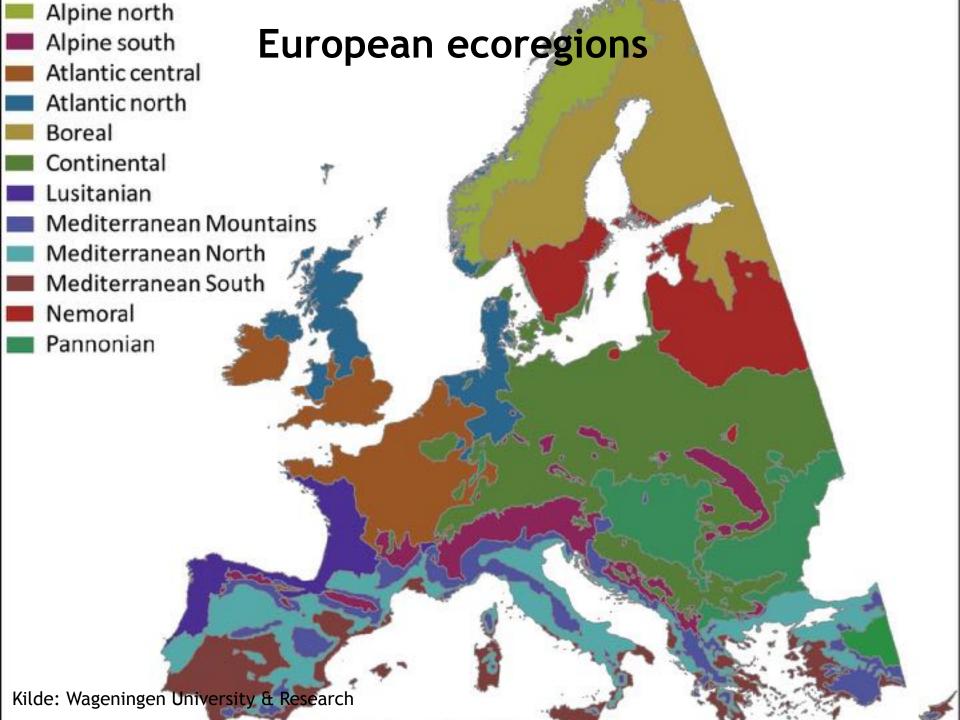
Sutie Xu 1, Jason Rowntree 1.8, Pablo Borrelli 2, Jennifer Hodbod 3 and Matt R. Raven 3

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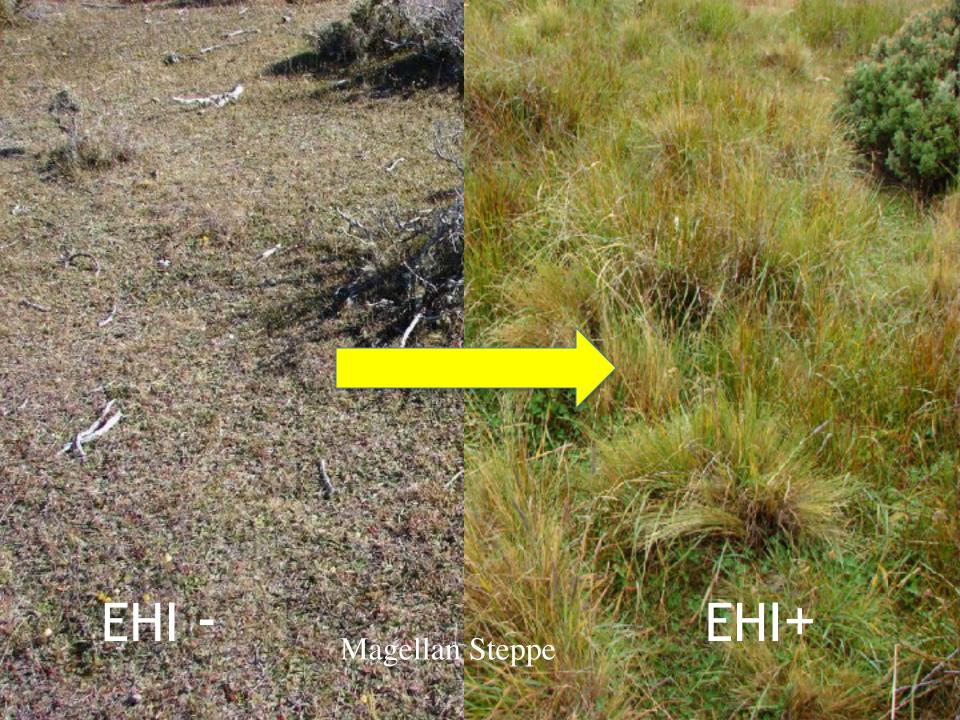
Received: 7 May 2019; Accepted: 3 June 2019; Published: 10 June 2019

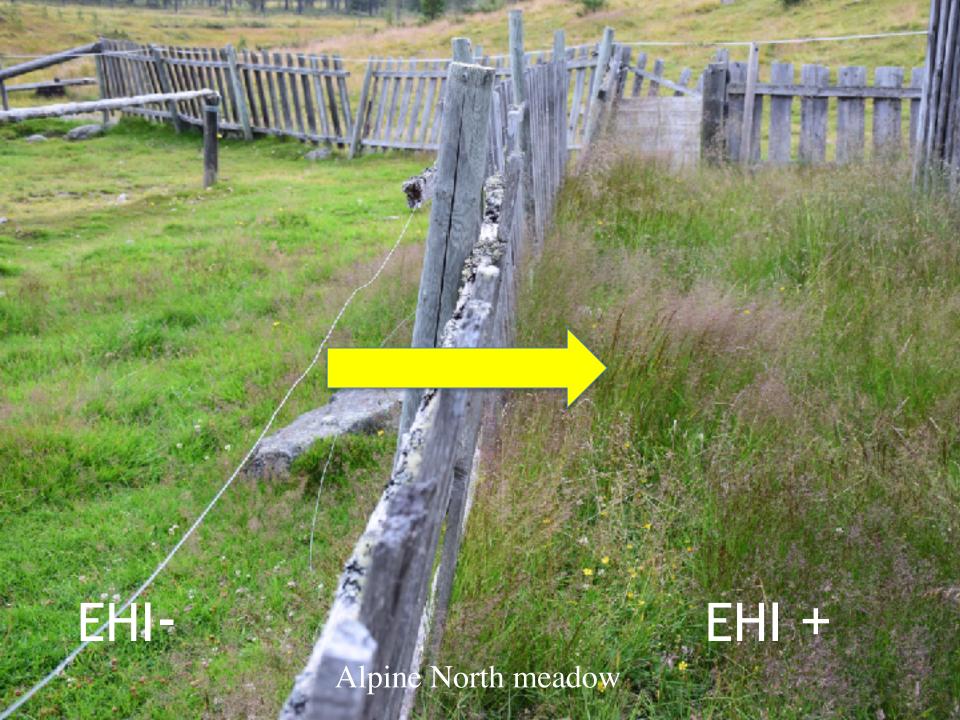


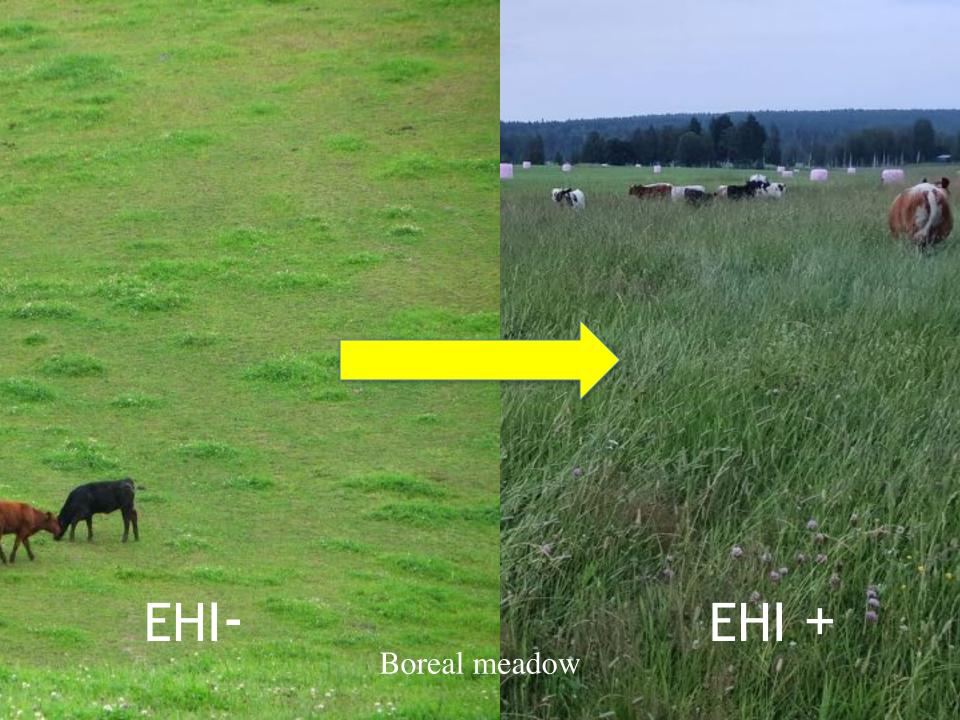
Abstract: Grazing lands should be monitored to ensure their productivity and the preservation of ecosystem services. The study objective was to investigate the effectiveness of an Ecological Health Index (EHI) for assessing ecosystem ecological health in grazing lands. The EHI was developed by synthesizing existing vegetation and soil cover indicators. We implemented long-term transects at 44 farms from two ecological regions in Patagonia, the Humid Magellan Steppe (HMS) (n = 24) and Subandean Grasslands (SG) (n = 20), to collect data on established quantifiable vegetative and soil measurements and the EHI. Using known quantifiable measures, the HMS had numerically greater species richness compared to SG. Similarly, the average percentage of total live vegetation was more favorable in HMS. Correlating the EHI with these known quantifiable measures demonstrated positive correlations with species richness, the percentage of total live vegetation and carrying capacity and was negatively correlations with hare ground. These results suggest that EHI could be a useful method to detect the ecological health and productivity in grazing lands. Overall, we conclude that EHI is an effective short-term monitoring approach that ranchers could implement annually to monitor grazing lands and determine the impacts of ranch decision-making on important ecosystem indicators.











#### **EOV SHORT TERM EVALUATION**

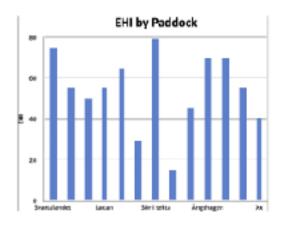
#### TABLE OF RESULTS

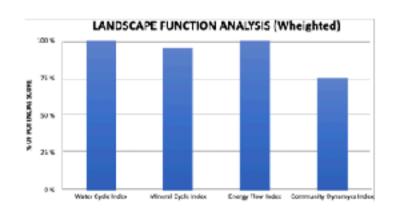
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Results come from leput data seed. Up to 30 pedifocts, if more, yet, may need to create a second file or sod new paddocks in input that 5 heet and create liefs with this table. Habit have or uniformit that are uniformly file and our revisionry (more a pedifocks or and meativalni). Do not preventing green cells.

				FORAGE ESTINATION					LANDSCAPE FUNCTION ANALYSIS			
	PADDOCK NAME	AREA (HA)	VISUAL SC AD	BIOMASS	QUALITY	Use intensity	Padcock	Water Cycle Index	Mineral Cycle Index	Energy Flow Index	Cornen, Dyer Frankes	
1	Svartelendet	39	25.00		4,00		76	100 %	94 %	100.16	75 %	
12	Nytandet	ü			5,00		50	10.5	53.5	75 %	75%	
2	Ango	G			6,00		50	85%	67 %	76 %.	71 %	
-4	Ladan	ū			5,00	0	56	130 %	A3 %	At %	75.%	
	Ond I telkini	a			4,00		55	100 %	55 %	92 %	75 %	
- 4	Skoglunda	e e			4,00		30	60 %	91 %	90 %	76 %	
7	Sör i tekta	G.			4,90	0	80	130 %	94 %	100 %	79%	
6	Andera Ora	G.			5,00		15	60%	56 %	50 %	63 %	
-	Anders Osshage	C			4,00	8	45	65%	36 %	100 %	54 %	
10	Angshegen	C			4,90		70	100 %	100 16	80 %	75 %	
11	Kullen	0,0			4,90		70	100 %	100 %	00 %	71 %	
12	Sjetandet	ü			4,90		50	50%	82.%	6/ %	6/ %	
18	Xx	C			4,90		40	86%	82 %	67 %	68 %	
	Total	38										

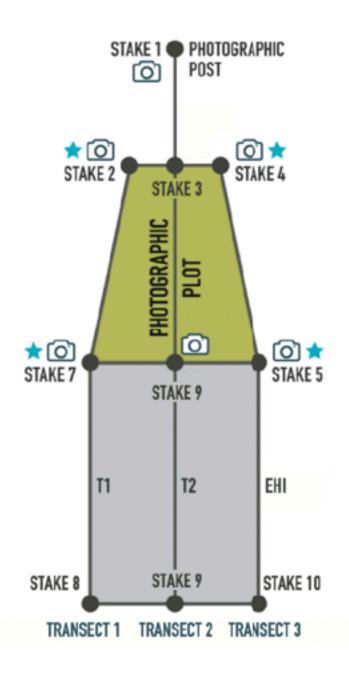
1	TOTAL Landbase Records:		EIII Landbase	LANDECAPE FUNCTION ANALYSIS (Wheighted)					
			Weighted Average	Water Cycle Index	Mineral Gycle Index	Energy Flow Index	Community Dynamyce Index		
	39	AREA (HK)	75.0	150 %	мs	100 %	75%		



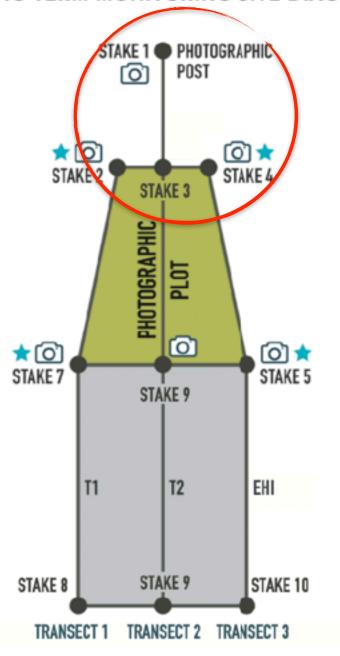




#### LONG TERM MONITORING SITE DIAGRAM



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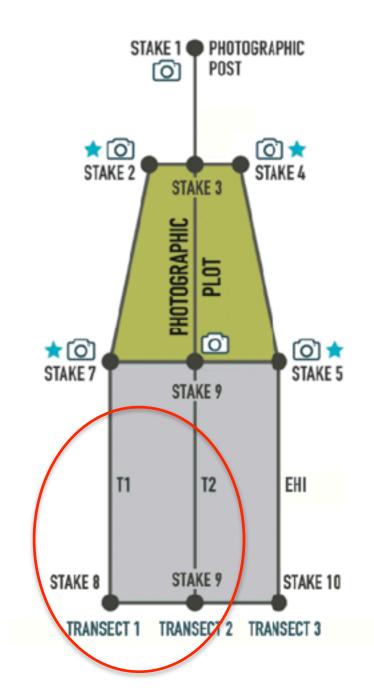


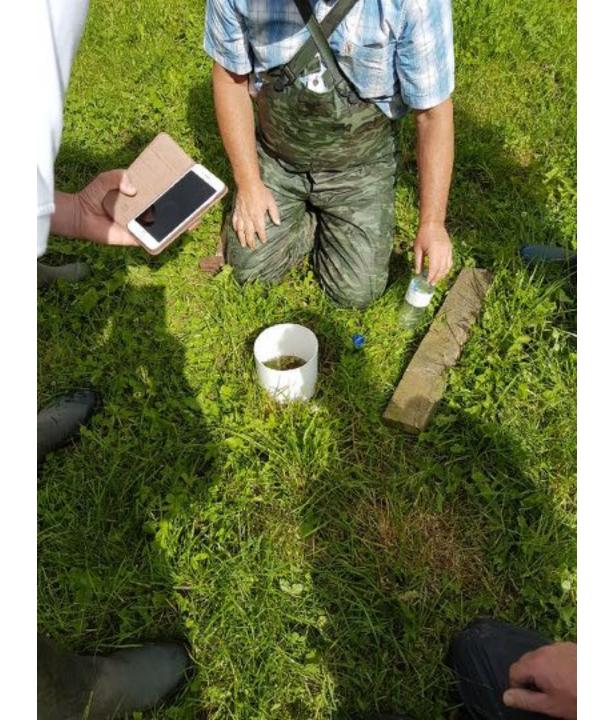






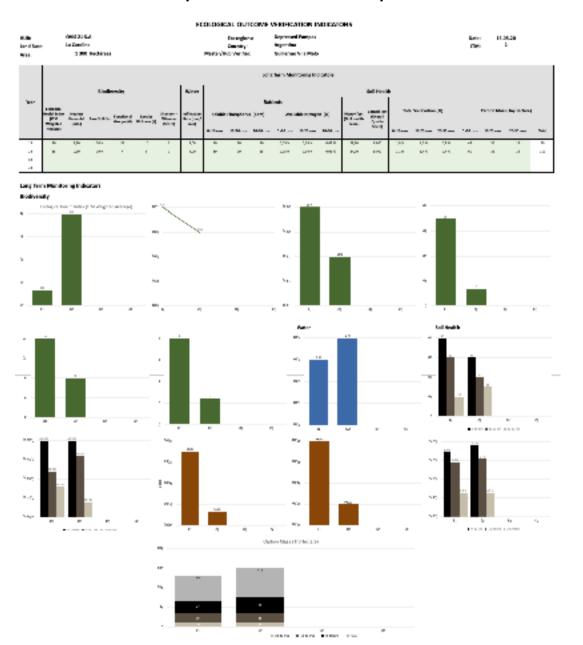
#### LONG TERM MONITORING SITE DIAGRAM

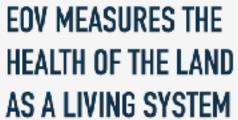






### Comprehensive LTM report













#### Soil Health

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