SOILSCAPE SOLUTIONS
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MEDIA REPORT

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Sample ID ANA2021-087

Requester Sequoia Soils

graphic interpretation: * very low, ** low, *** moderate

ammonium bicarbonate/DTPA

**** high, ***** very high

extractable - mg/kg soil Interpretation of data low medium high		Sample ID Number Sample Description 21-54-26 Complete, 2/10/21	graphic
	elements		
0 - 12 16 - 28 32 - 44	**phosphorus**	130.18	*****
0-240 240-500 500-700	**potassium**	1,758.25	*****
0- 12 12- 20 over 20	**iron**	51.69	*****
0 - 2 3 - 4 over 5	**manganese**	32.98	****
0 - 4 4 - 6 over 6	**zinc**	15.18	****
0- 0.5 0.6 - 1 over 1	**copper**	3.19	****
0 - 1 1 - 2 over 2	**boron**	1.25	***
	calcium	2,701.90	*****
	magnesium	551.10	****
	sodium	222.16	**
	sulfur	574.14	***
	molybdenum	n d	*
	nickel	0.96	*
The following trace	**aluminum**	n d	*
elements may be toxic	**arsenic**	n d	*
The degree of toxicity	**barium**	5.56	*
depends upon the pH of	**cadmium**	n d	*
the soil, soil texture,	**chromium**	n d	*
organic matter, and the	**cobalt**	0.32	*
concentrations of the	**lead**	1.39	*
individual elements as well	**lithium**	n d	*
as to their interactions.	**mercury**	n d	*
	selenium	n d	*
The pH optimum depends	**silver**	n d	*
upon soil organic	**strontium**	10.82	*
matter and soil content-	**tin**	n d	*
	vanadium	0.38	*
under 5 may be too acidic			
6 to 7 may be good	**Saturation Extract**		
over 8.0 is too alkaline	**pH value**	5.83	**
The ECe is a measure of	**ECe (milli-**	1.87	***
the media salinity:	**mho/cm)**		millieq/l
good at 200 ppm	**calcium**	180.8	9.0
good at 25 ppm	**magnesium**	68.4	5.7
	sodium	36.3	1.6
good at 25 ppm	**ammonium as N**	0.4	0.0
good at 150 ppm	**potassium**	176.4	4.5
	cation sum		20.8
problems over 150 ppm	**chloride**	66	1.9
good at 100 ppm	**nitrate as N**	112.8	8.1
good at 40 ppm	**phosphorus as P**	9.3	0.3
toxic over 800	**sulfate as S**	159.0	9.9
	anion sum		20.2
toxic over 1 for many plants	**boron as B**	0.45	***
increasing problems start at 3	**SAR**	0.6	*
est. gypsum requirement-lbs./cubic yard		7	
	relative infiltrate rate	good	
	lime (calcium carbonate)	no	
	organic matter	good	
	moisture content of media	101.0%	
	half saturation percentage	177.8%	

Compiled by a professional laboratory for Soilscape Solutions, LLC
Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
pH and ECe are measured in a saturation paste extract. nd means not detected.
Analytical data determined on soil fraction passing a 2 mm sieve.