

**SOILSCAPE SOLUTIONS**

**MEDIA REPORT**

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**1680 Samoa Blvd.  
Arcata, CA 95521  
(707) 273-8758**

Sample ID ANA2020-105

Requester Sequoia Soils

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

**ammonium bicarbonate/DTPA**

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

extractable - mg/kg soil

Sample ID Number  
Sample Description

20-58-08  
Base Mix

Interpretation of data

**elements**

low medium high  
0 - 12 16 - 28 32 - 44  
0-240 240-500 500-700  
0- 12 12- 20 over 20  
0 - 2 3 - 4 over 5  
0 - 4 4 - 6 over 6  
0- 0.5 0.6 - 1 over 1  
0 - 1 1 - 2 over 2

phosphorus  
potassium  
iron  
manganese  
zinc  
copper  
boron

graphic  
91.96 \*\*\*\*\*  
1,084.23 \*\*\*\*\*  
65.16 \*\*\*\*\*  
27.18 \*\*\*\*\*  
15.67 \*\*\*\*\*  
3.02 \*\*\*\*\*  
2.94 \*\*\*\*\*

calcium  
magnesium  
sodium  
sulfur  
molybdenum  
nickel

2,868.81 \*\*\*\*\*  
553.18 \*\*\*\*\*  
192.11 \*  
38.19 \*  
n d \*  
1.00 \*

The following trace elements may be toxic  
The degree of toxicity depends upon the pH of the soil, soil texture, organic matter, and the concentrations of the individual elements as well as to their interactions.

aluminum  
arsenic  
barium  
cadmium  
chromium  
cobalt  
lead  
lithium  
mercury  
selenium  
silver  
strontium  
tin  
vanadium

21.24 \*\*\*\*\*  
n d \*  
20.35 \*\*  
n d \*  
n d \*  
0.53 \*  
1.17 \*  
0.96 \*  
n d \*  
n d \*  
18.98 \*  
n d \*  
0.79 \*

The pH optimum depends upon soil organic matter and soil content-

under 5 may be too acidic  
6 to 7 may be good  
over 8.0 is too alkaline

**Saturation Extract**

pH value

7.08 \*\*\*

The ECe is a measure of the media salinity:

ECe (milli-mho/cm)

0.37 \*

good at 200 ppm

calcium

8.3 millieq/l 0.4

good at 25 ppm

magnesium

3.3 0.3

sodium

17.1 0.7

good at 25 ppm

ammonium as N

12.7 0.9

good at 150 ppm

potassium

58.2 1.5

cation sum

3.8

problems over 150 ppm

chloride

35 1.0

good at 100 ppm

nitrate as N

1.7 0.1

good at 40 ppm

phosphorus as P

3.0 0.1

toxic over 800

sulfate as S

10.1 0.6

anion sum

1.8

toxic over 1 for many plants

boron as B

0.44 \*\*\*

increasing problems start at 3

SAR

1.3 \*

est. gypsum requirement-lbs./cubic yard

7

relative infiltrate rate

fair

lime (calcium carbonate)

no

organic matter

good

moisture content of media

131.8%

half saturation percentage

155.8%

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.