

Sustainability

Ag Tech

Data

Innovation



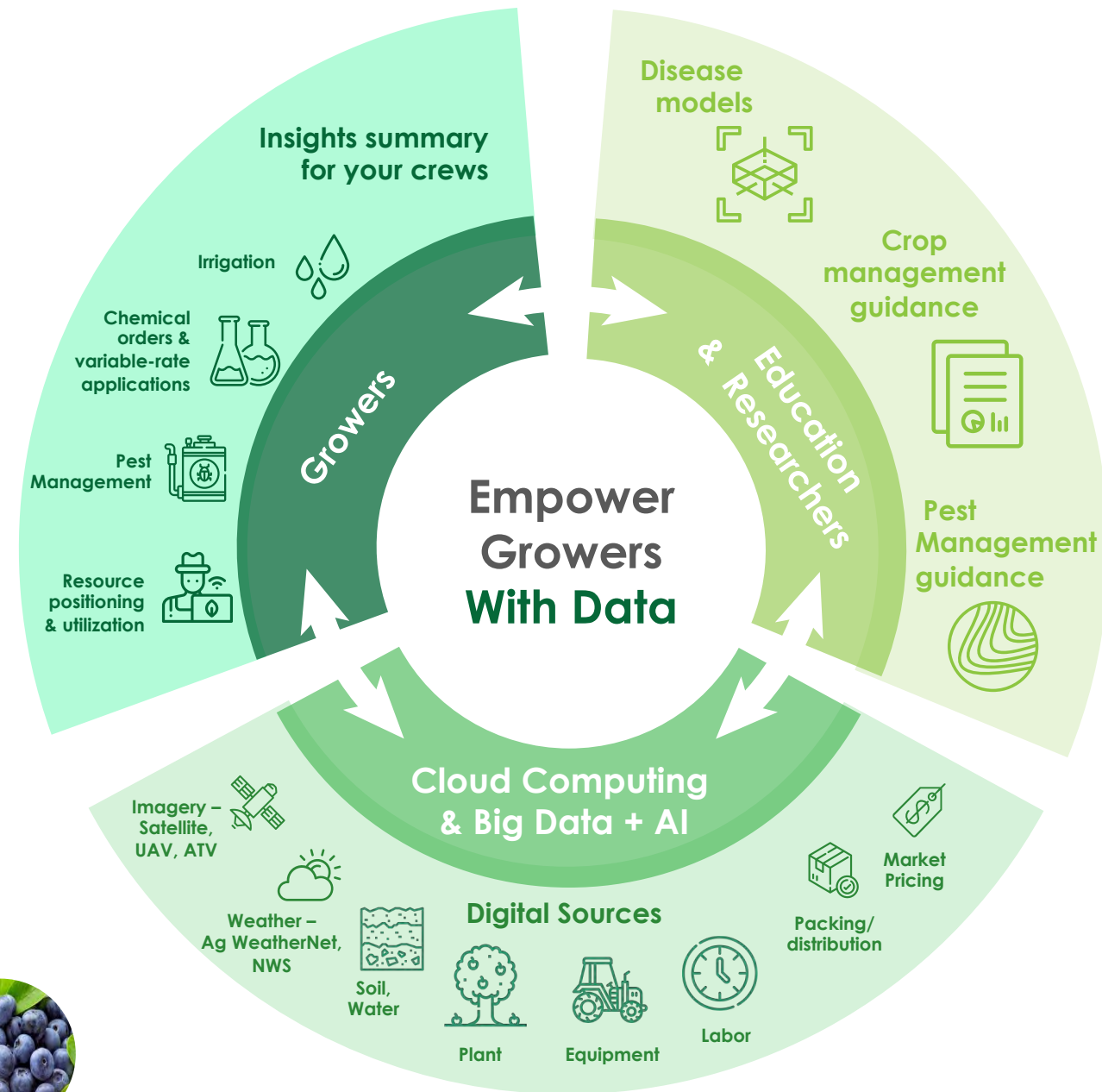
**innov8.ag**  
EMPOWERING GROWERS WITH DATA

Grandview Smart Orchard  
SoilOptix Report- Scanned 5/27/2021

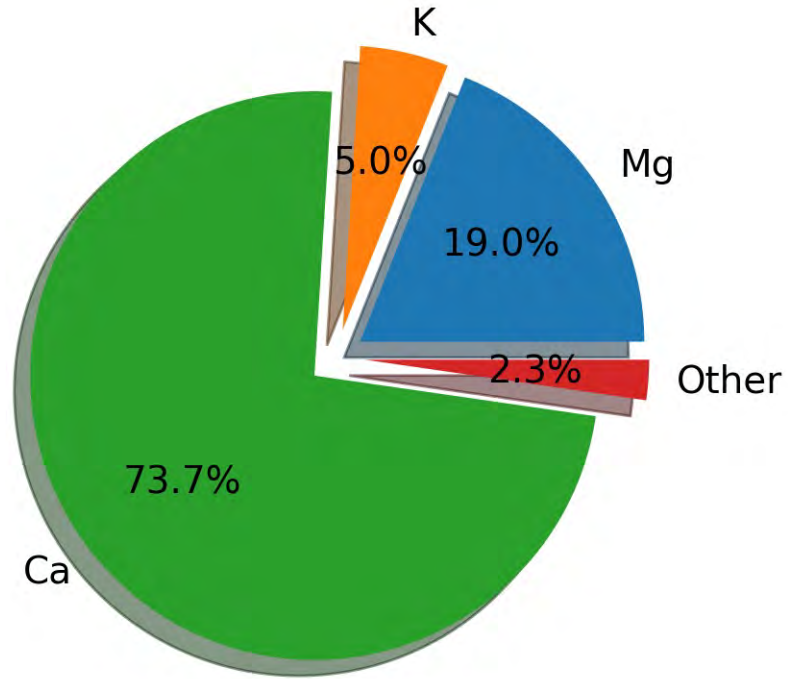


# What's Inside

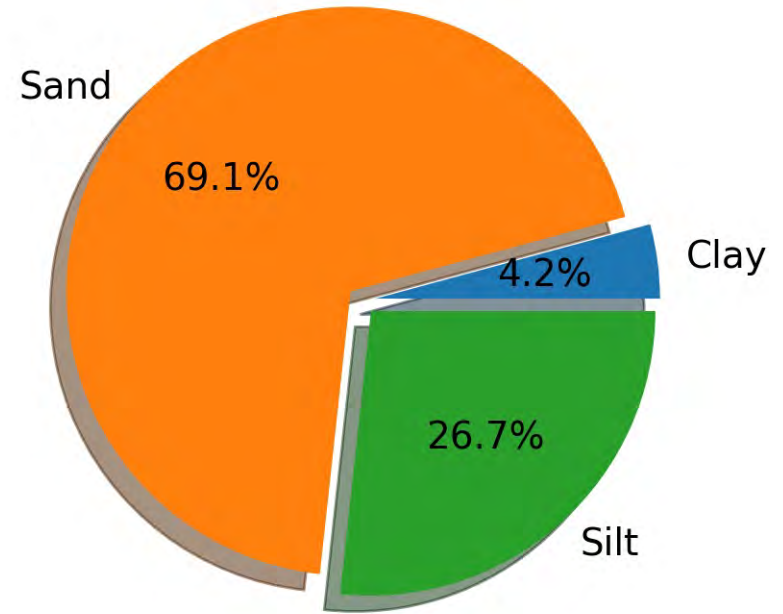
- **Soil Data Summary**
- **Soil Maps**
  - Physical Properties
  - Macronutrients
  - Micronutrients
  - Complex Models
- **Appendix**
  - Soil Nutrient Ratios
  - WSU Optimal Values



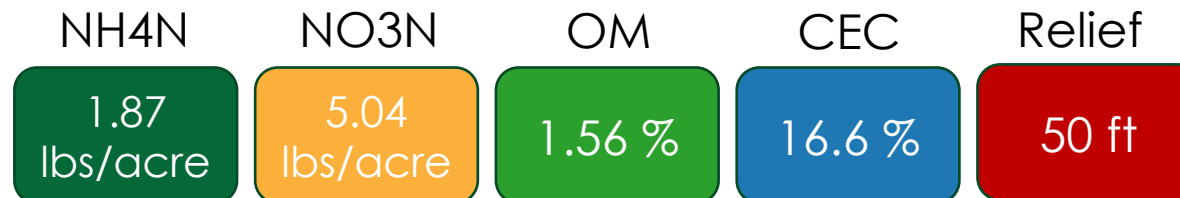
# Soil Properties



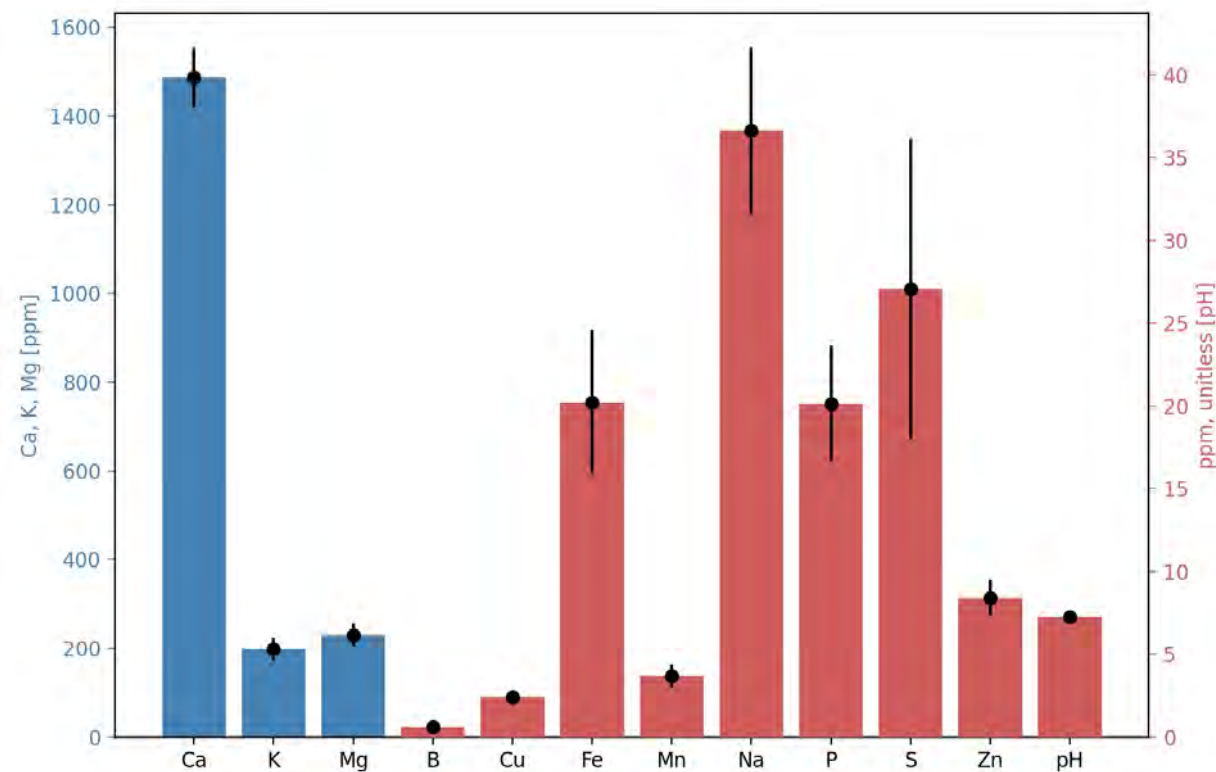
Breakdown of base saturation composition percentages as a pie chart.



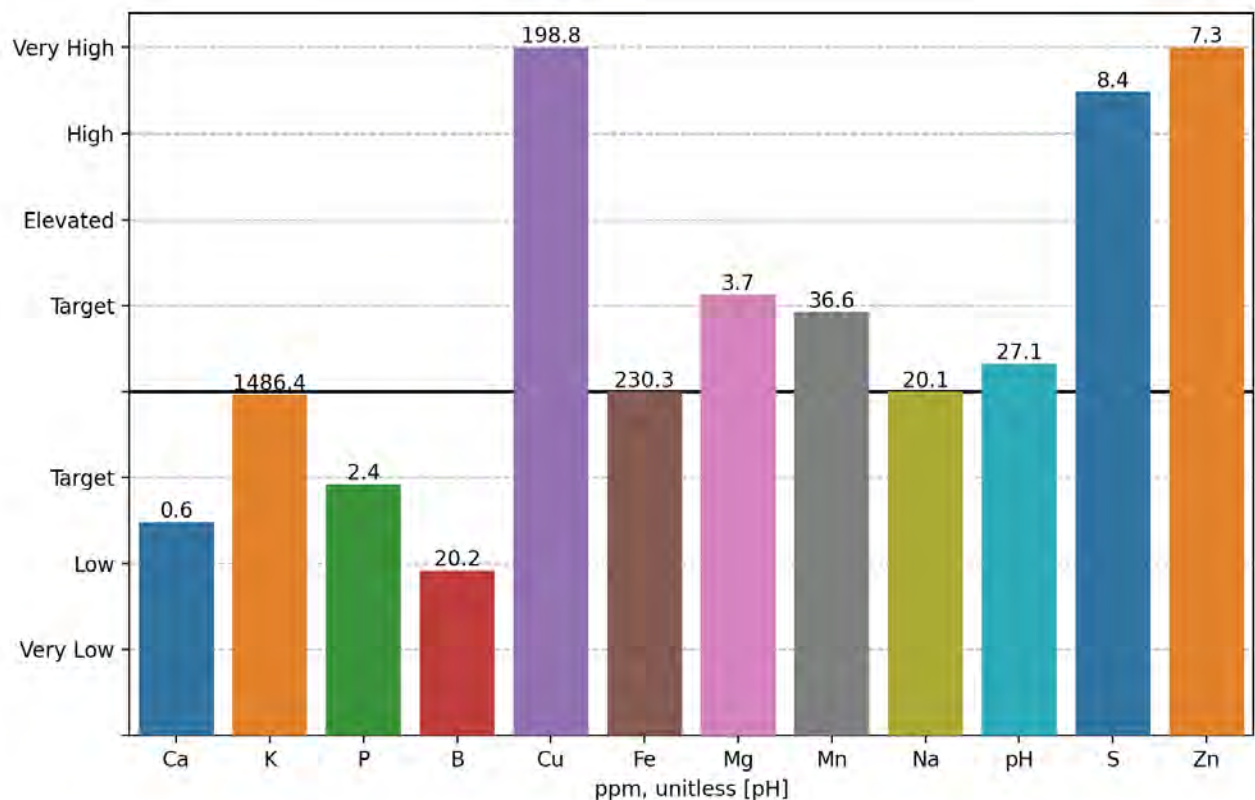
Breakdown of soil texture composition.



# Departure From Optimal



The average value of each micro and macro nutrient. The blue bars are plotted on the left axis and the red bars are plotted on the right axis. The black error bars indicate +/- 1 standard deviation around the mean.



The average value of each nutrient relative to the defined optimal ranges. The black horizontal line indicates 100%. Target ranges are 125% and 75%.

\*all variables in the top two bar plots are in ppm, except pH which is unitless.

# Soil Properties

## Physical Properties

Variable	Mean	Min	Max	SD	CV	Units
Sand	54.07	17.37	82.11	13.65	25.25	%
Silt	35.72	11.23	67.79	11.92	33.37	%
Clay	10.21	6.66	14.85	1.73	16.94	%
Loam	45.93	17.89	82.63	13.65	29.72	%
CEC	16.68	9.01	28.14	4.68	28.06	meq/100g
Elevation	1034.59	1009.66	1059.36	12	1.16	ft
pH	6.69	6.17	7.26	0.25	3.74	unitless
OM	1.56	0.73	2.64	0.4	25.64	%

## Micronutrients

Variable	Mean	Min	Max	SD	CV	Units
B	0.34	0.11	0.64	0.12	35.29	ppm
Cu	1.84	1.66	2.08	0.07	3.8	ppm
Fe	25.2	8.4	38.47	5.46	21.67	ppm
Mn	2.34	1.45	2.98	0.26	11.11	ppm
Na	14.37	3.02	34.02	6.37	44.33	ppm
Zn	8.66	4.53	14.07	2.01	23.21	ppm

## Complex Models

Variable	Mean	Min	Max	SD	CV	Units
Leak	14.88	8.85	22.78	2.94	19.76	unitless
PAWater	50.61	20.08	90.56	14.86	29.36	unitless
SALT	0.23	0.12	0.37	0.04	17.39	mmhos/cm

## Macro Nutrients

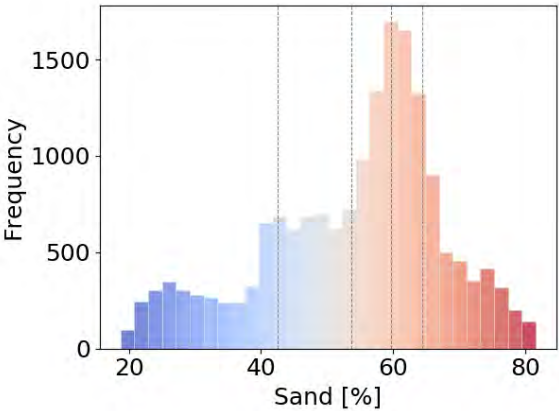
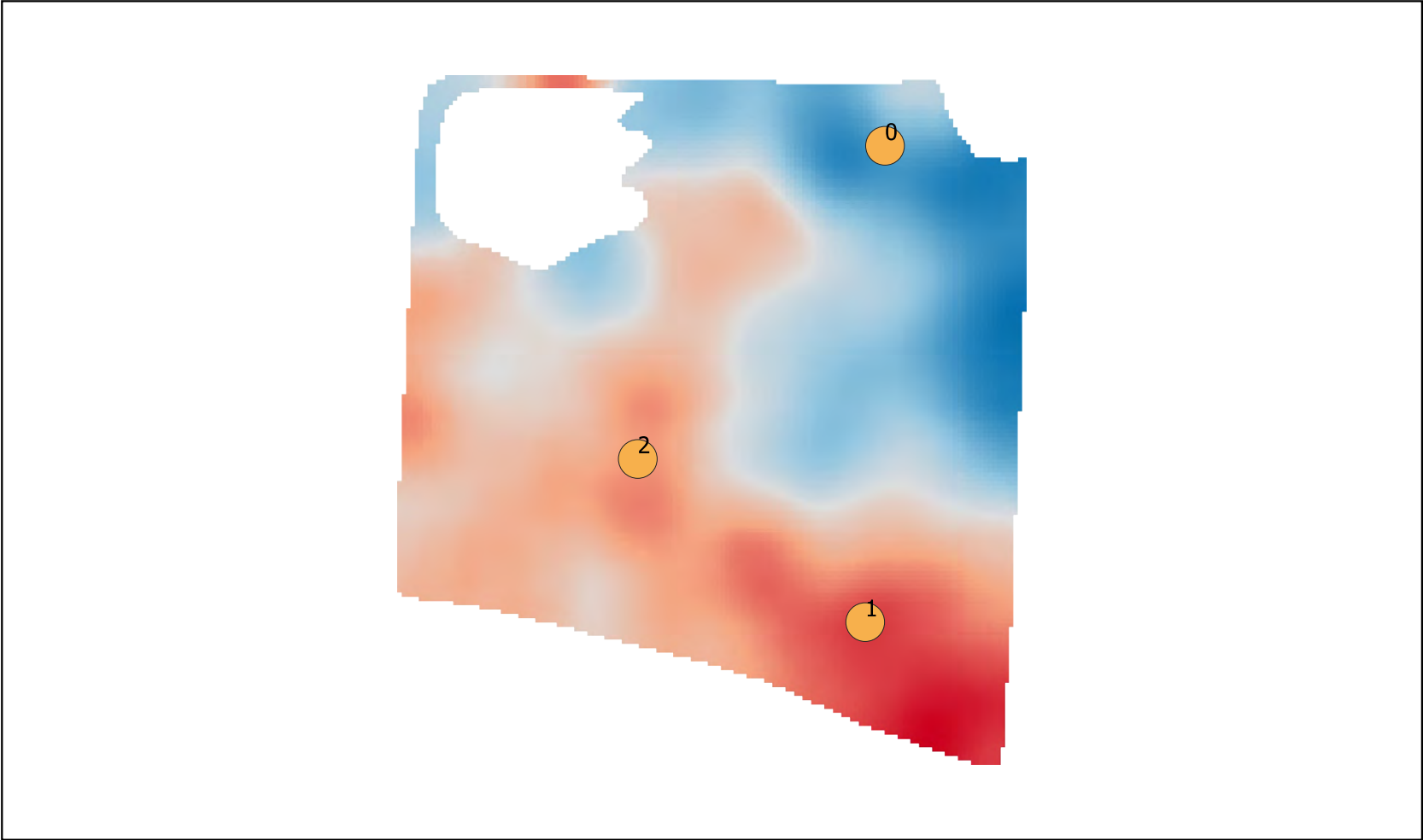
Variable	Mean	Min	Max	SD	CV	Units
NH4N	1.87	1.19	2.93	0.34	18.18	lbs/acre
NO3N	5.04	1.22	9.19	1.81	35.91	lbs/acre
P	31.62	24.74	37.46	2.53	8	ppm
K	5.73	3.56	9.17	1.3	22.69	ppm
Ca	2458.7	1070.97	4670.58	891.33	36.25	ppm
S	24.95	7.71	47.53	8.39	33.63	ppm
Mg	389.84	325.08	474.62	31.52	8.09	ppm
Ca_bse	72.08	57.42	83.06	6.01	8.34	%
K_bse	0.28	0.24	0.33	0.01	3.57	%
Mg_bse	20.61	13.08	31.7	4.28	20.77	%



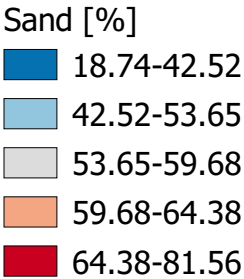
# Physical Properties

Variable	Mean	Min	Max	SD	CV	Units
Sand	54.07	17.37	82.11	13.65	25.25	%
Silt	35.72	11.23	67.79	11.92	33.37	%
Clay	10.21	6.66	14.85	1.73	16.94	%
Loam	45.93	17.89	82.63	13.65	29.72	%
CEC	16.68	9.01	28.14	4.68	28.06	meq/100g
Elevation	1034.59	1009.66	1059.36	12	1.16	ft
pH	6.69	6.17	7.26	0.25	3.74	unitless
OM	1.56	0.73	2.64	0.4	25.64	%

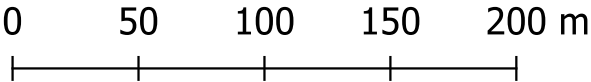
# Grandview:Sand



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	54.02	25



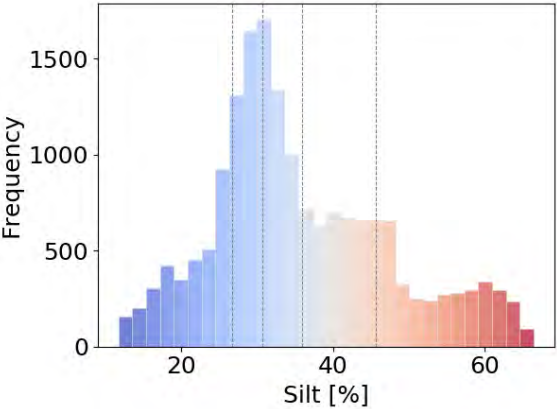
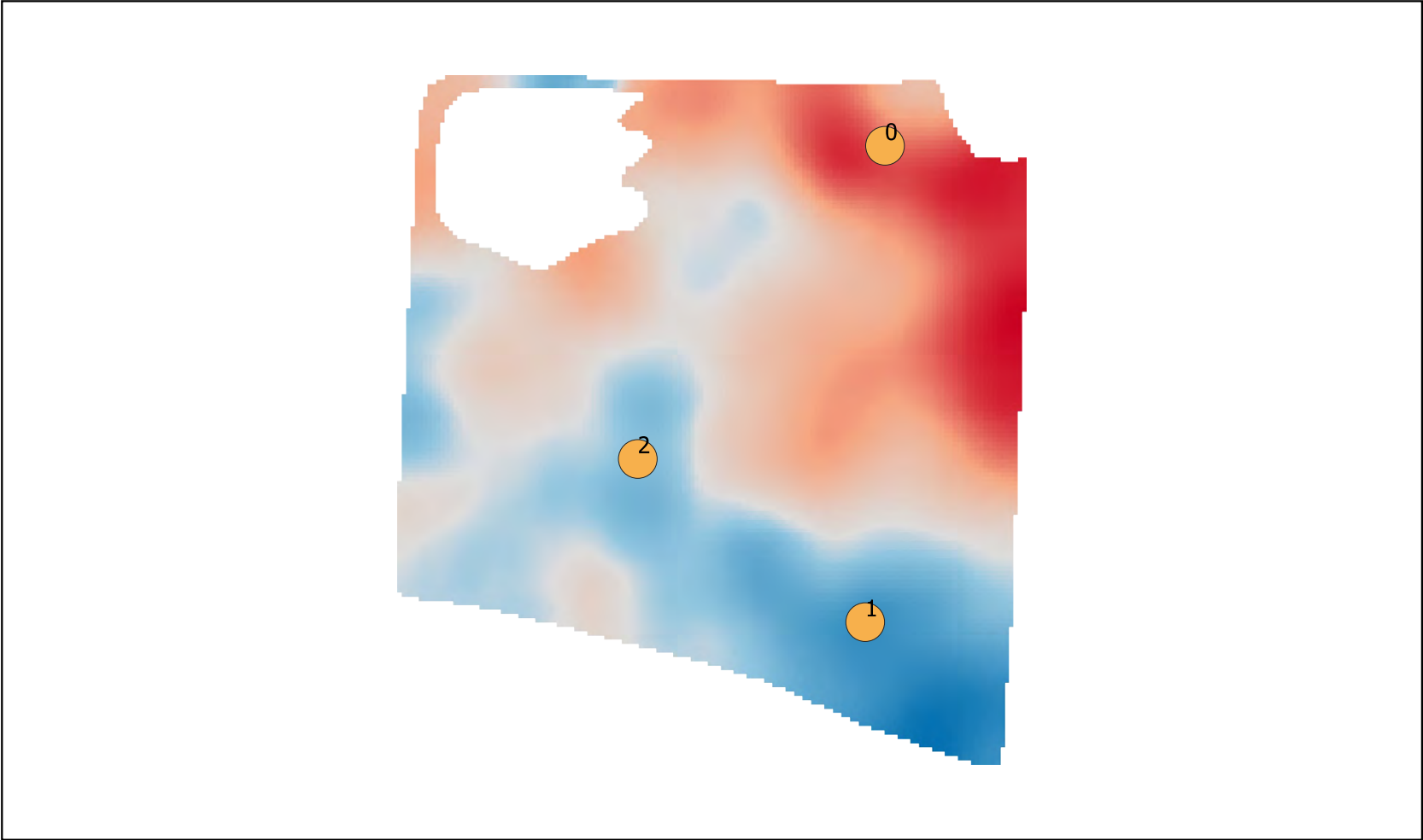
ID	Sand
0	33.0
1	75.0
2	67.0



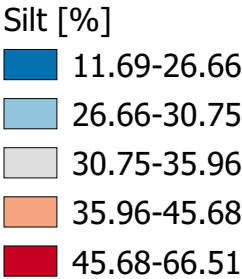
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



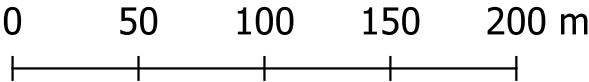
# Grandview:Silt



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	35.66	33



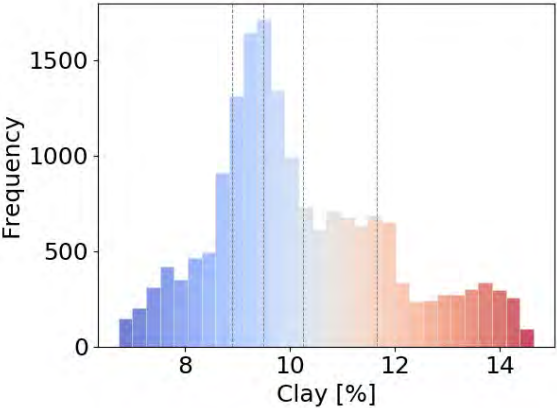
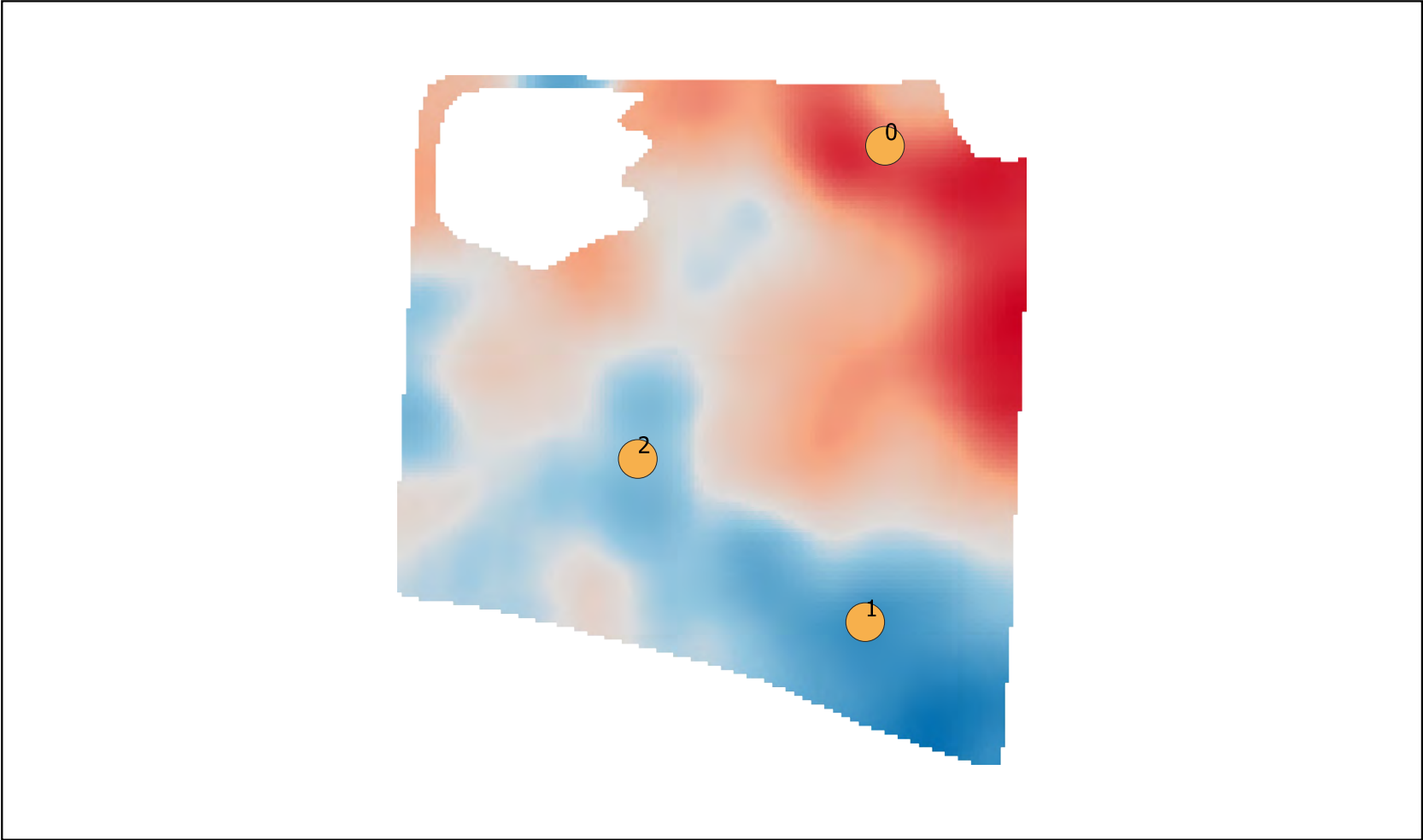
ID	Silt
0	54.0
1	17.0
2	25.0



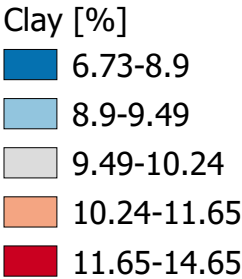
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



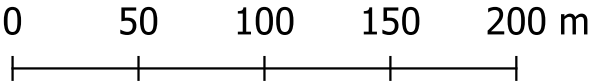
# Grandview:Clay



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	10.2	16

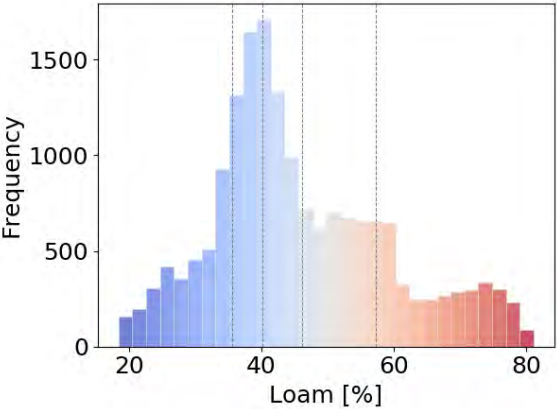
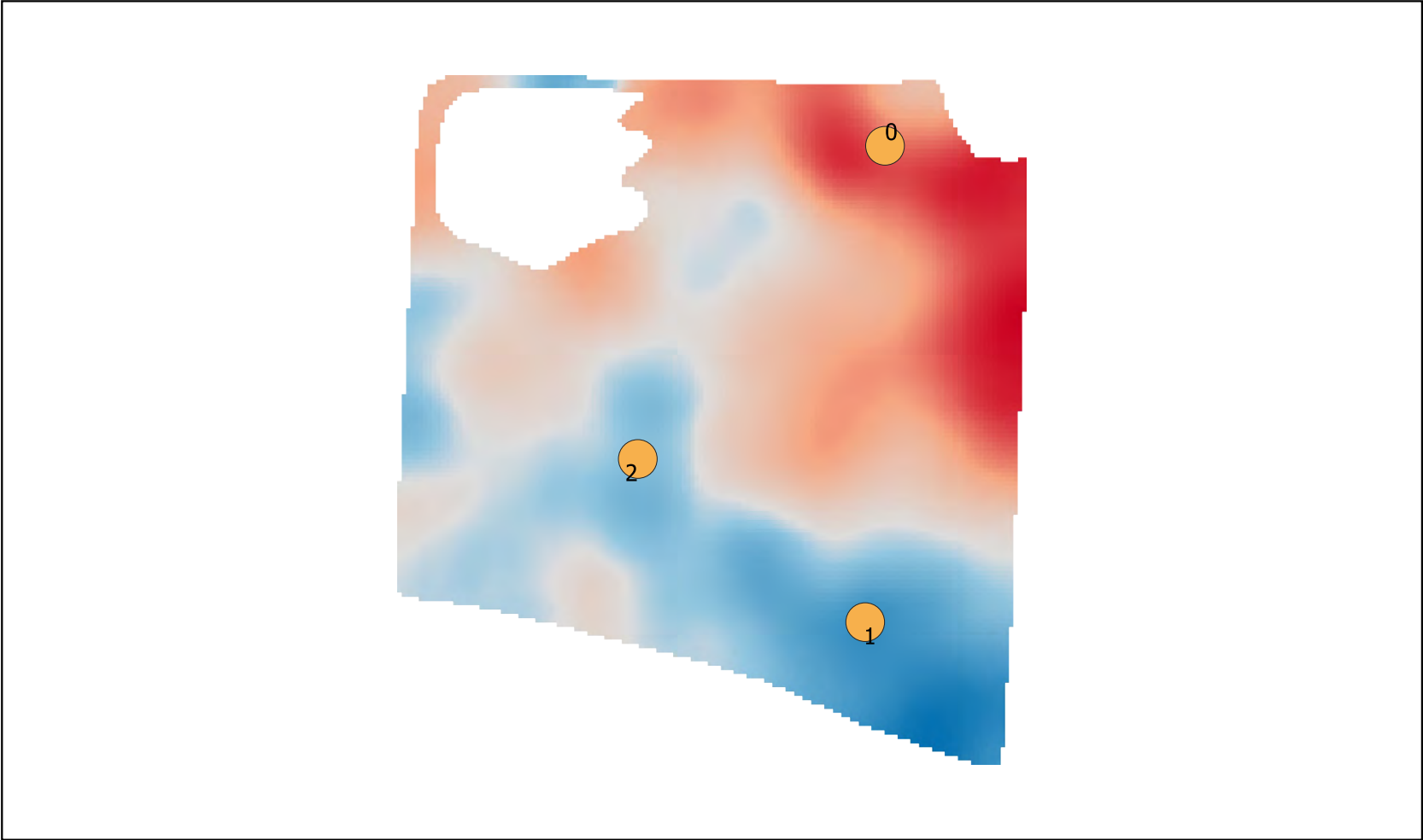


ID	Clay
0	13.0
1	58.0
2	8.0

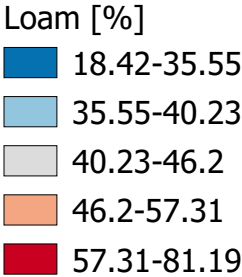


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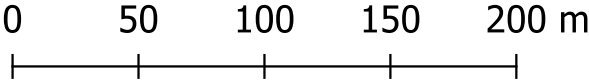
# Grandview:Loam



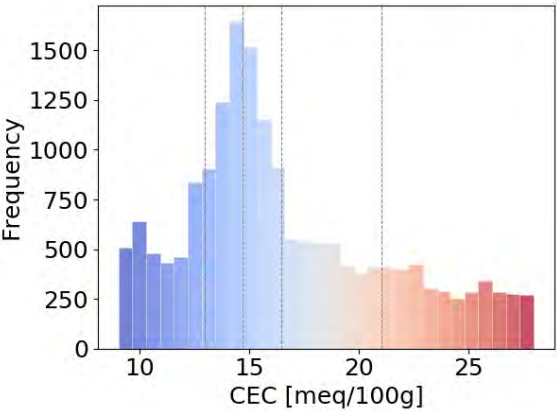
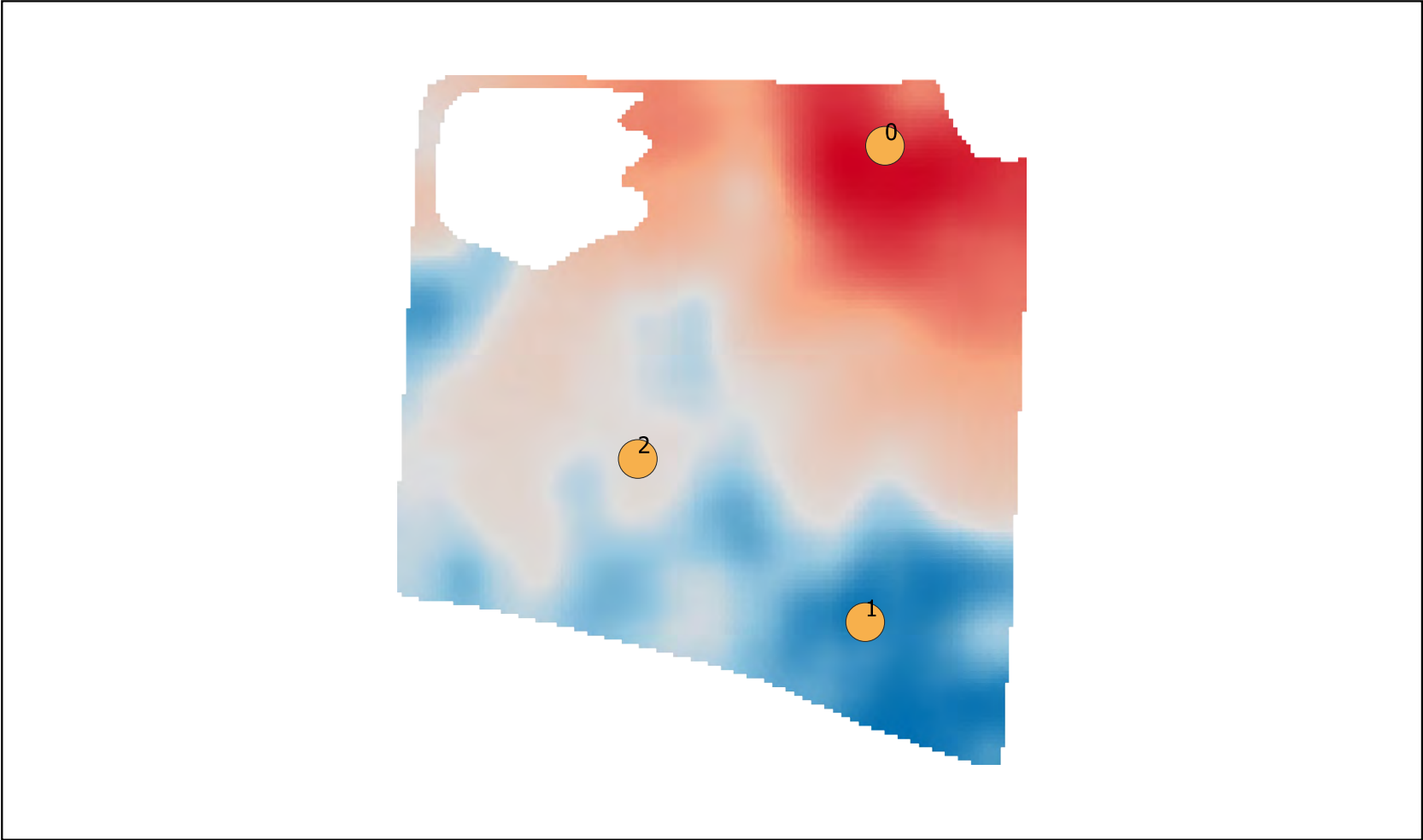
Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	45.85	29



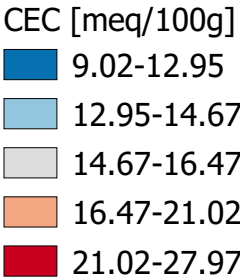
ID	Loam
0	NAN
1	NAN
2	NAN



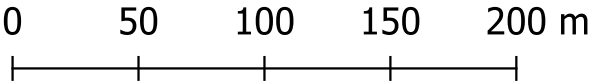
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	16.65	27

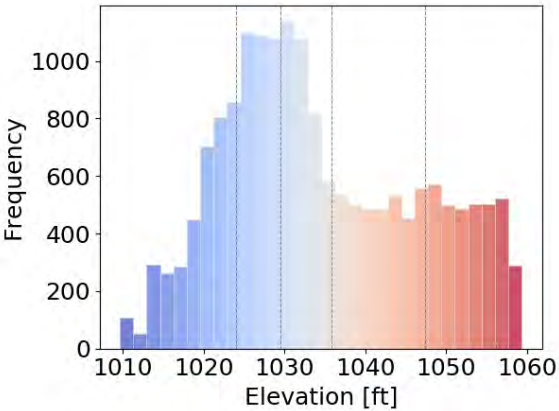
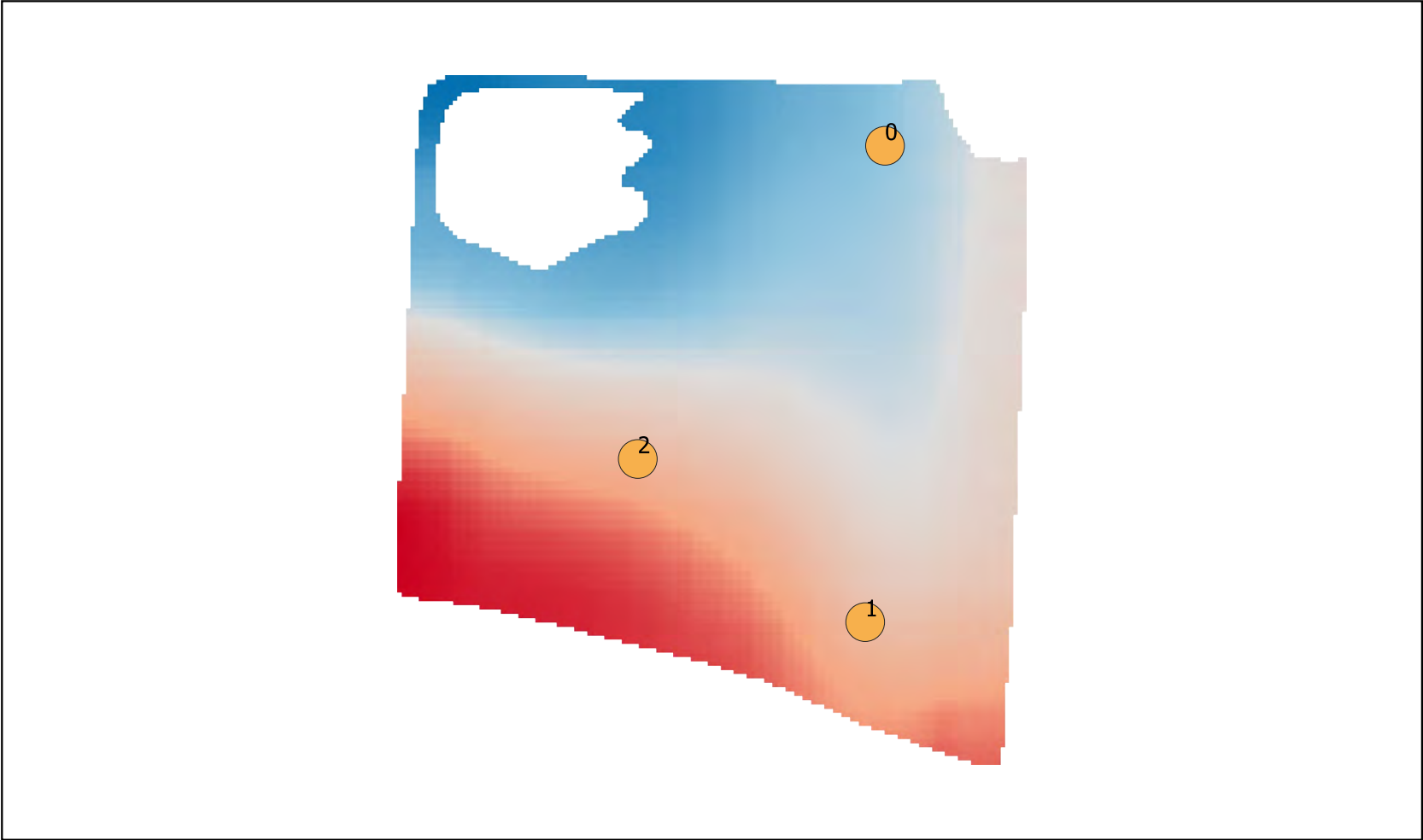


ID	CEC
0	NAN
1	NAN
2	NAN



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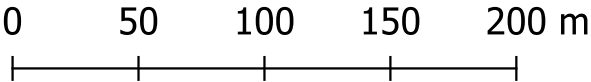
# Grandview:Elevation



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	1034.59	1

Elevation [ft]	
<span style="display:inline-block; width:15px; height:15px; background-color:blue;"></span>	1009.66-1024.01
<span style="display:inline-block; width:15px; height:15px; background-color:lightblue;"></span>	1024.01-1029.49
<span style="display:inline-block; width:15px; height:15px; background-color:lightgrey;"></span>	1029.49-1035.8
<span style="display:inline-block; width:15px; height:15px; background-color:orange;"></span>	1035.8-1047.35
<span style="display:inline-block; width:15px; height:15px; background-color:red;"></span>	1047.35-1059.37

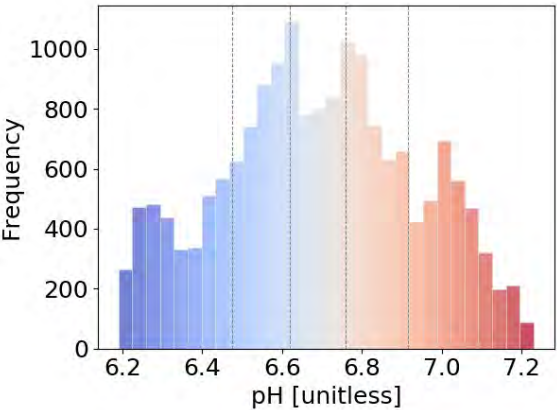
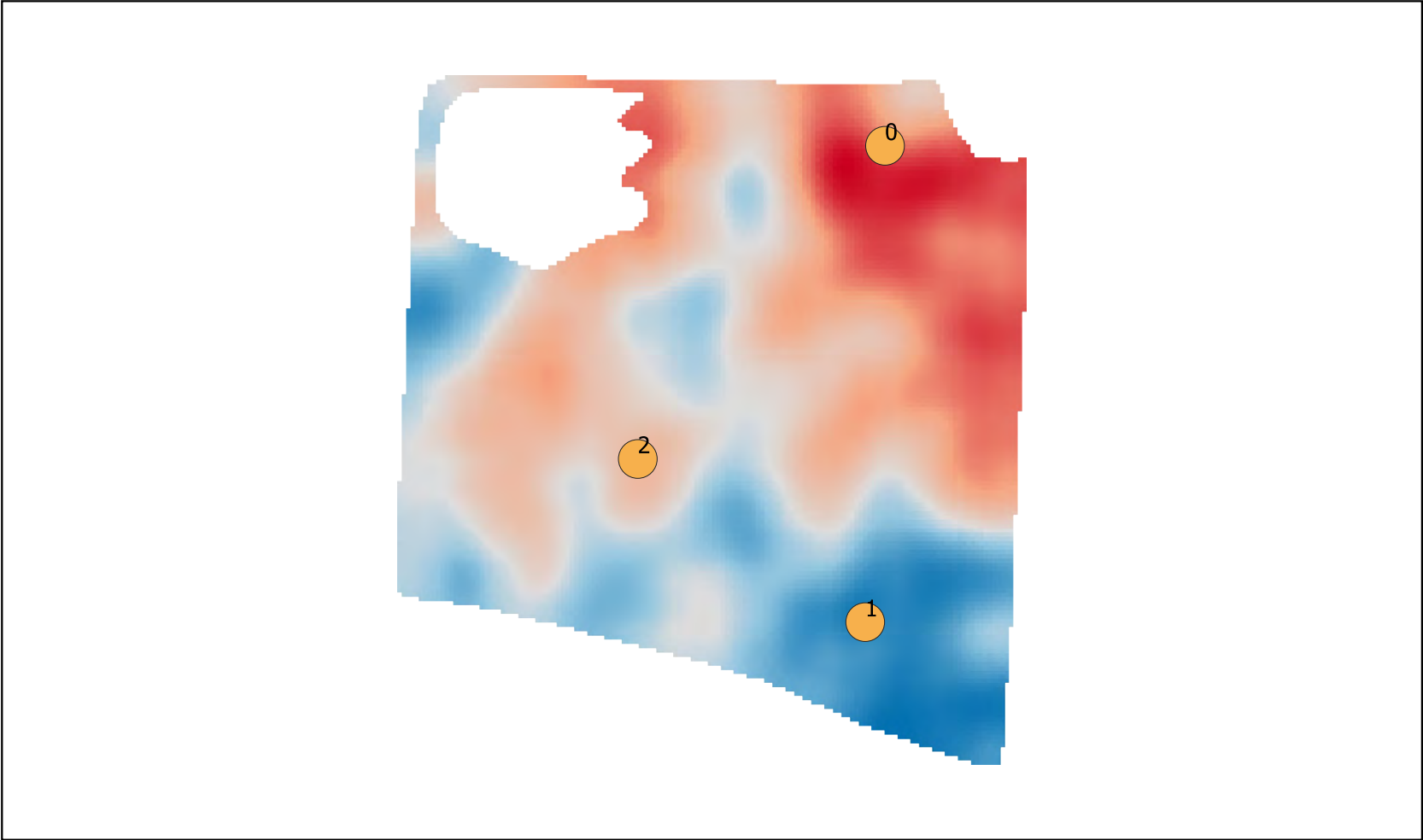
ID	Elevation
0	NAN
1	NAN
2	NAN



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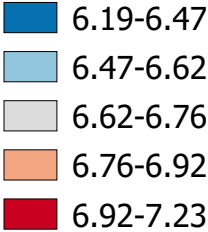


# Grandview:pH

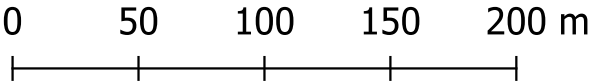


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	6.69	3

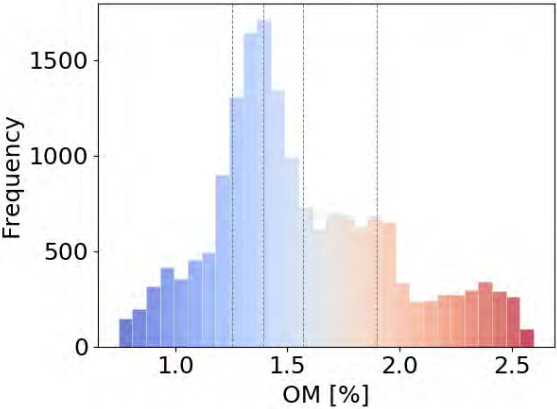
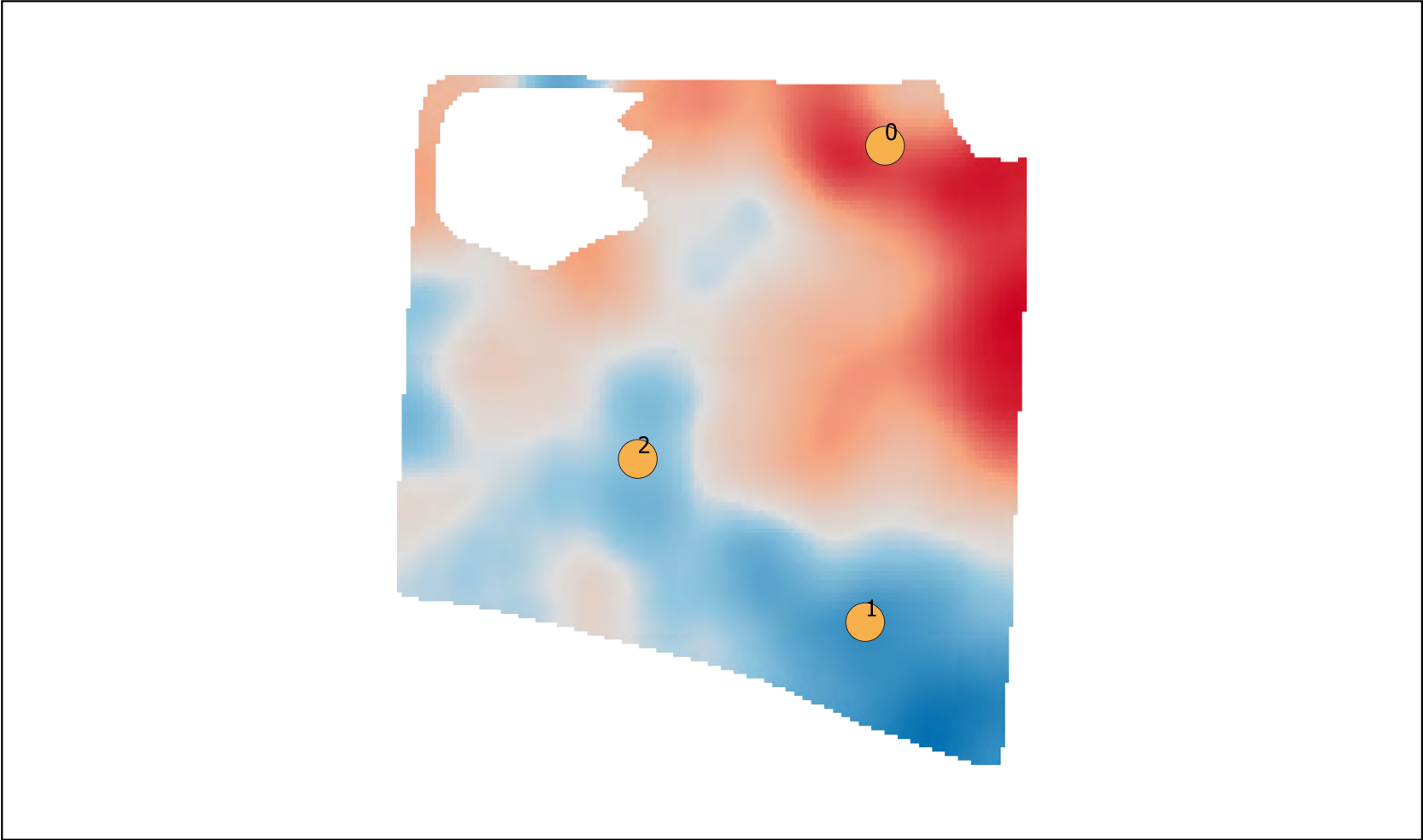
pH [unitless]



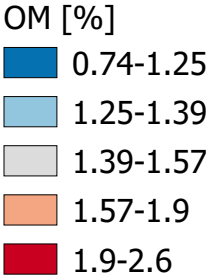
ID	pH
0	7.2
1	6.3
2	6.6



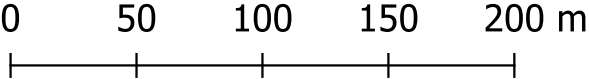
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Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	1.56	25



ID	OM
0	2.2
1	1.0
2	1.1



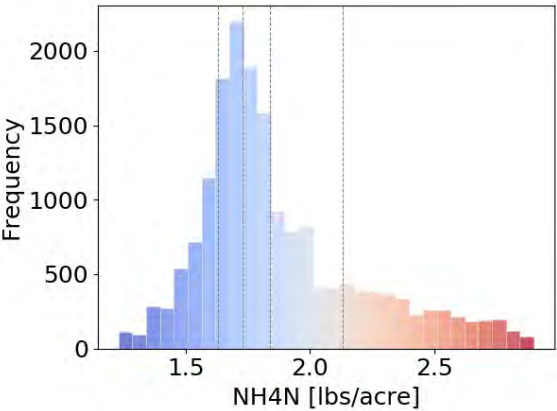
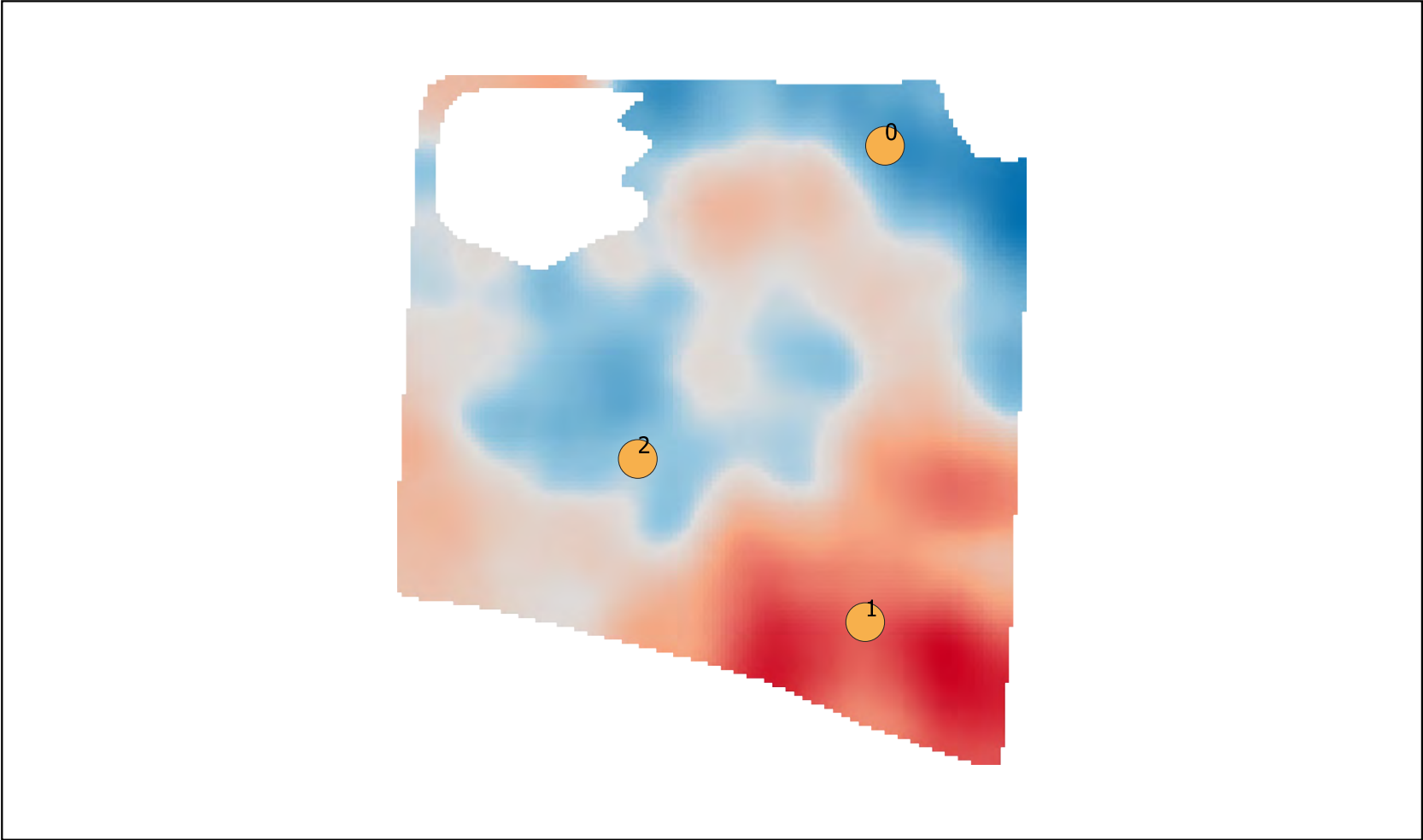
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# Macronutrients

Variable	Mean	Min	Max	SD	CV	Units
NH4N	1.87	1.19	2.93	0.34	18.18	lbs/acre
NO3N	5.04	1.22	9.19	1.81	35.91	lbs/acre
P	31.62	24.74	37.46	2.53	8	ppm
K	5.73	3.56	9.17	1.3	22.69	ppm
Ca	2458.7	1070.97	4670.58	891.33	36.25	ppm
S	24.95	7.71	47.53	8.39	33.63	ppm
Mg	389.84	325.08	474.62	31.52	8.09	ppm
Ca_bse	72.08	57.42	83.06	6.01	8.34	%
K_bse	0.28	0.24	0.33	0.01	3.57	%
Mg_bse	20.61	13.08	31.7	4.28	20.77	%

# Grandview:NH4N

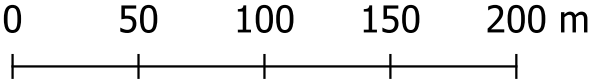


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	1.87	17

NH4N [lbs/acre]

- 1.23-1.63
- 1.63-1.73
- 1.73-1.84
- 1.84-2.13
- 2.13-2.9

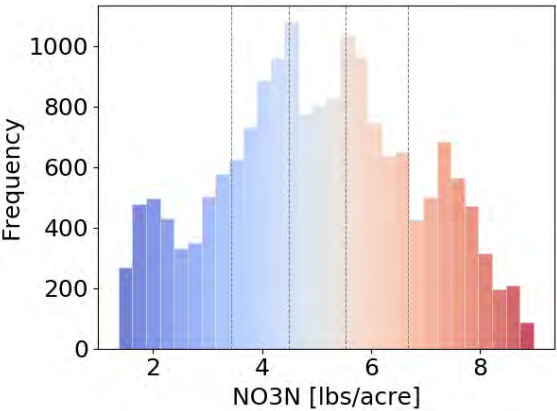
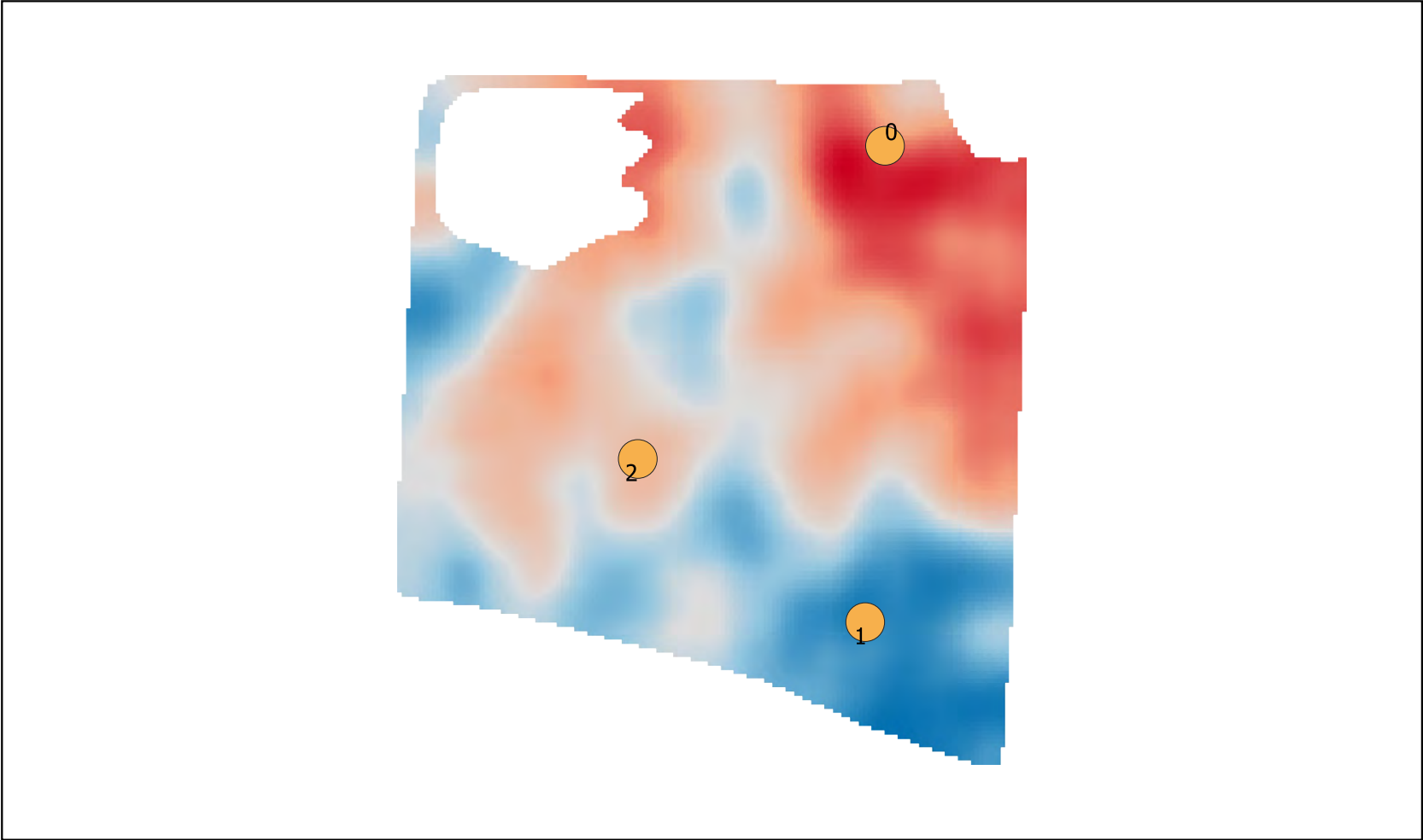
ID	NH4N
0	1.0
1	3.0
2	1.1



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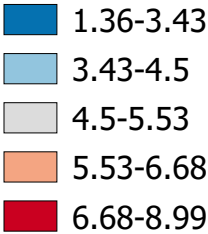


# Grandview:NO3N

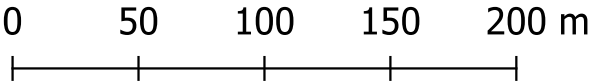


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	5.03	35

NO3N [lbs/acre]

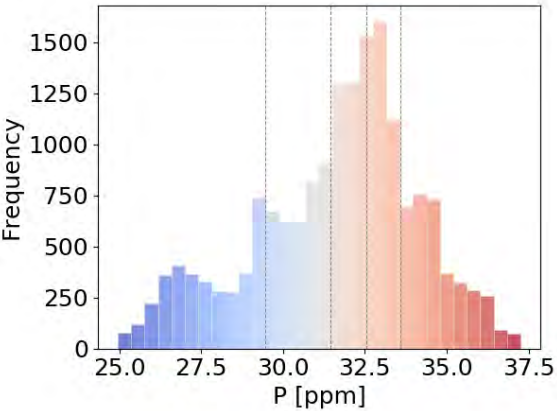
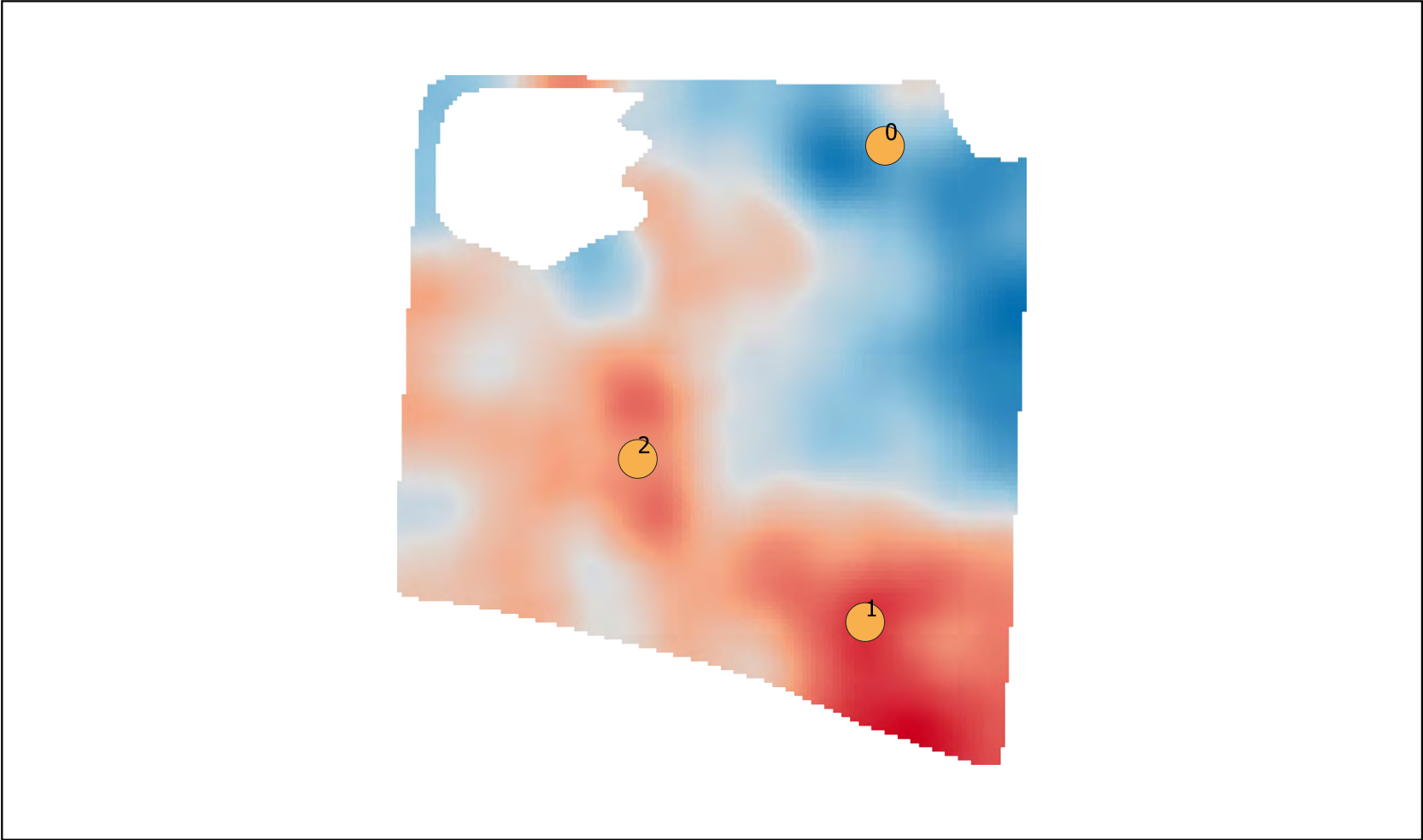


ID	NO3N
0	7.2
1	1.6
2	6.5

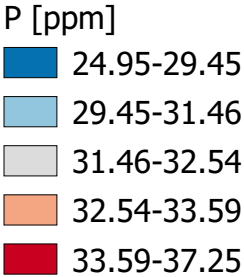


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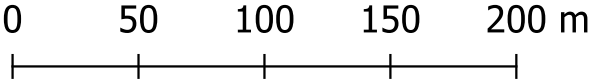
# Grandview:P



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	31.61	7

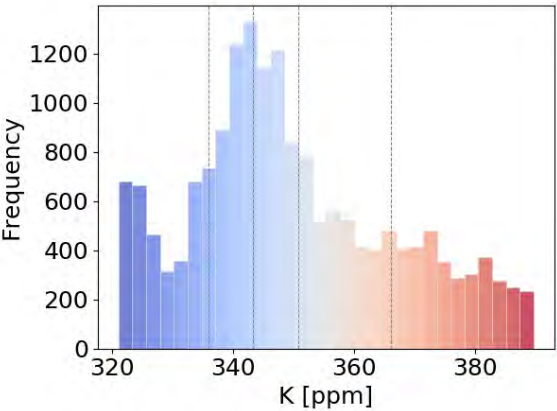
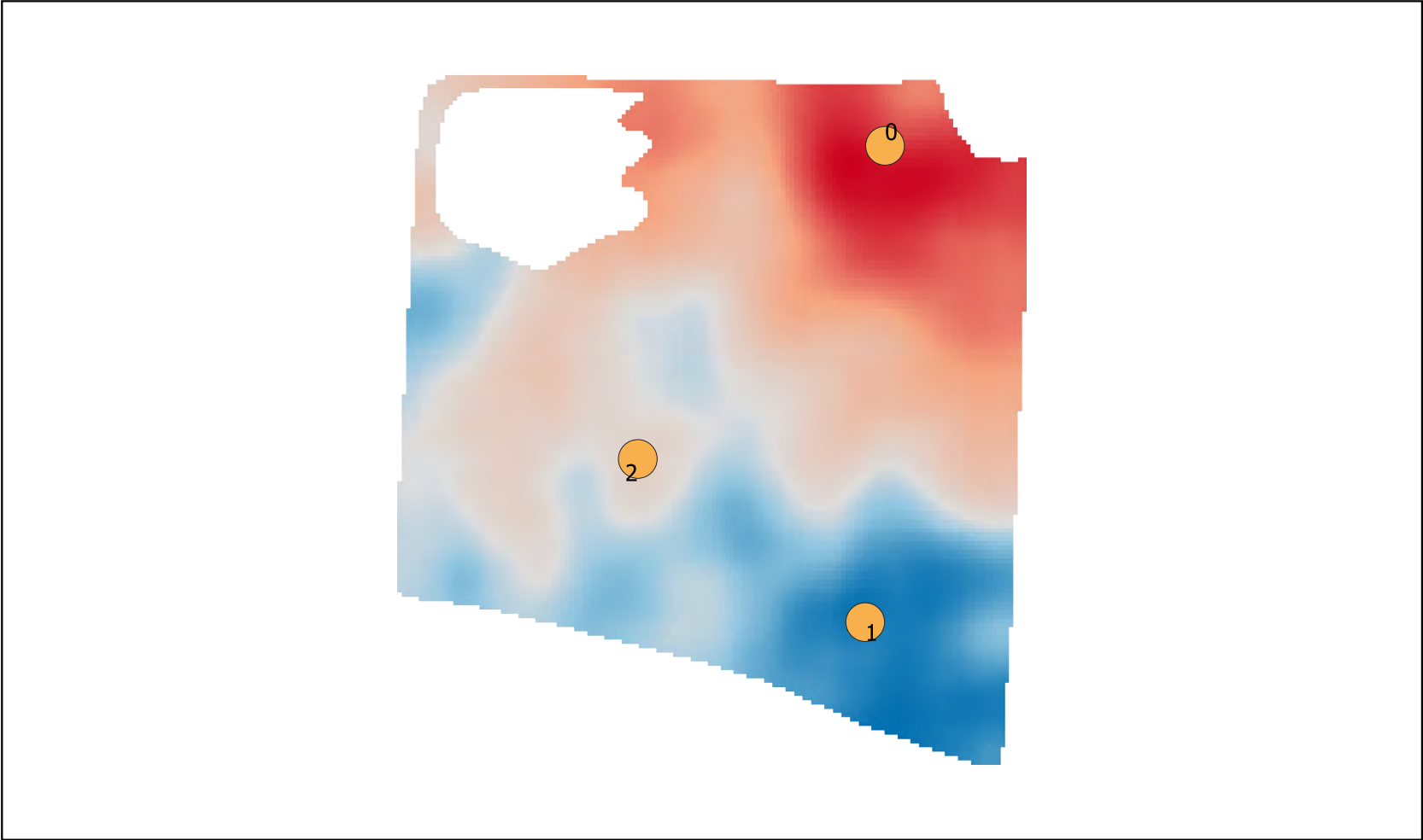


ID	P
0	29.0
1	37.0
2	33.0

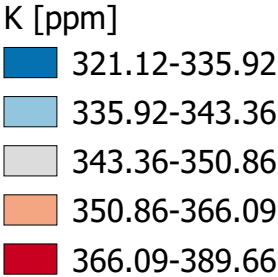


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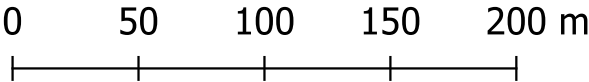
# Grandview:K



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	349.94	4

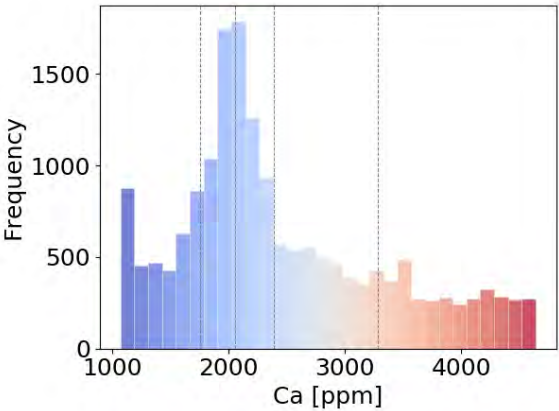
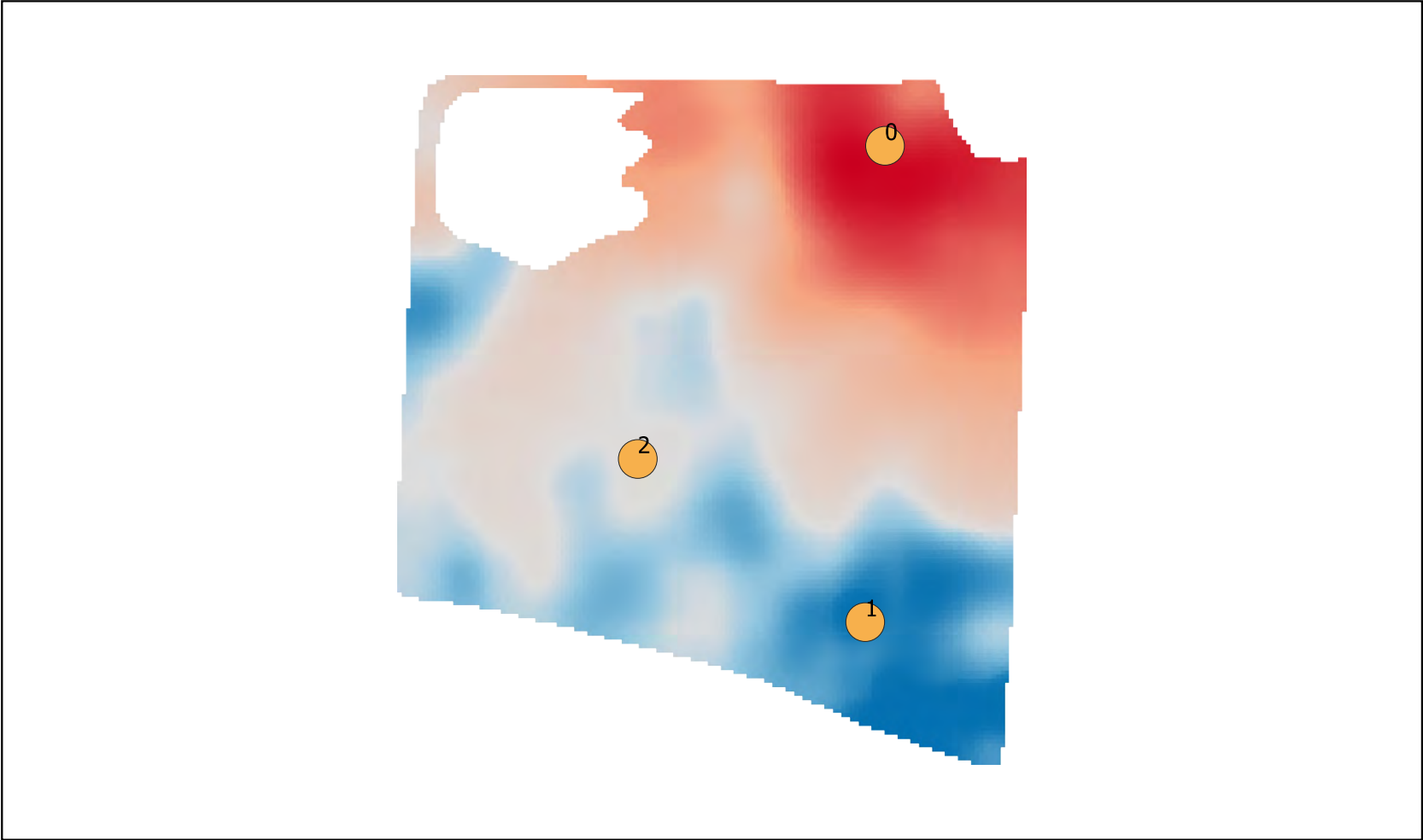


ID	K
0	389.0
1	324.0
2	334.0



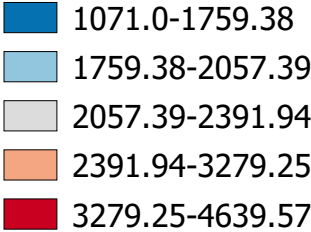
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# Grandview:Ca

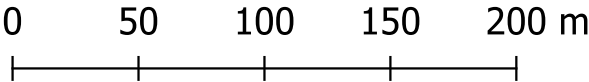


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	2450.4	36

Ca [ppm]

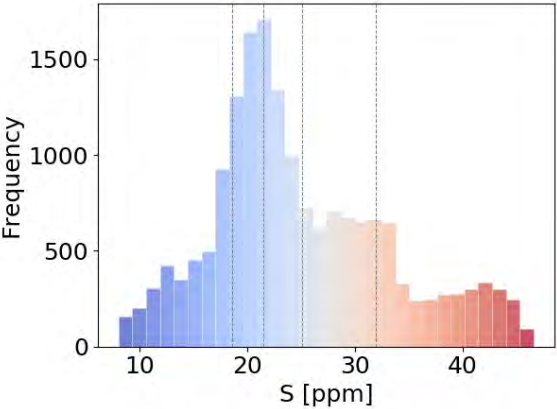
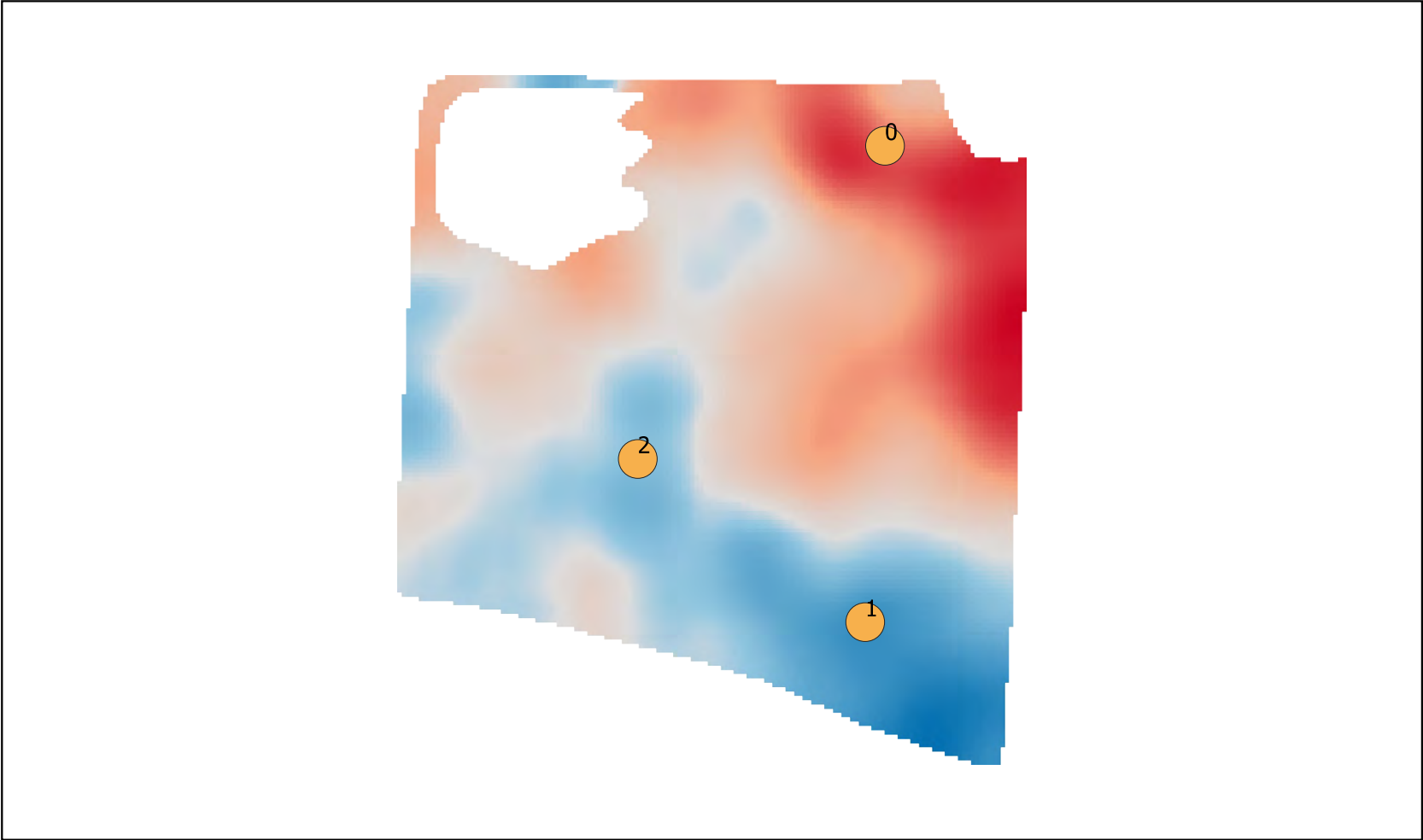


ID	Ca
0	4780.0
1	1420.0
2	1720.0

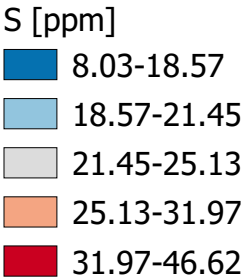


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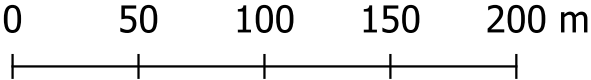




Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	24.91	33

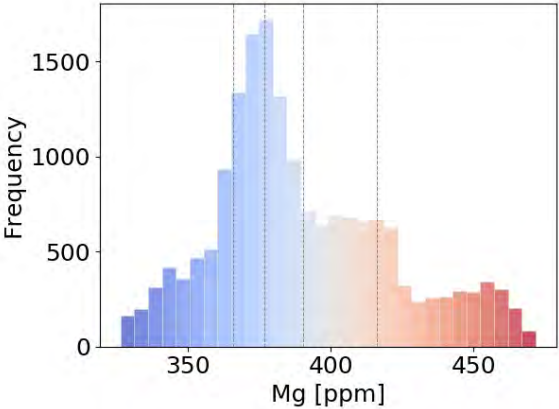
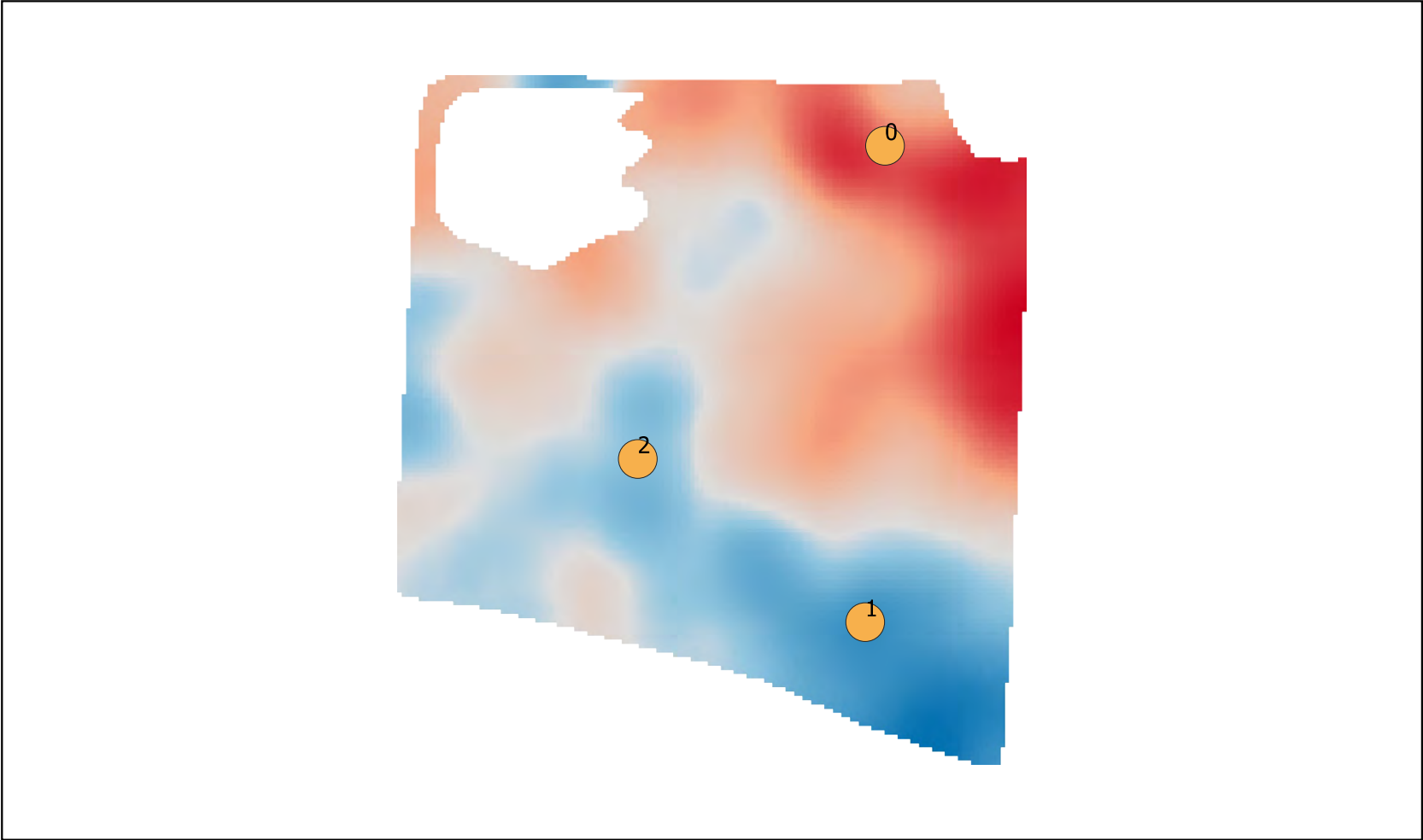


ID	S
0	37.0
1	9.0
2	21.0

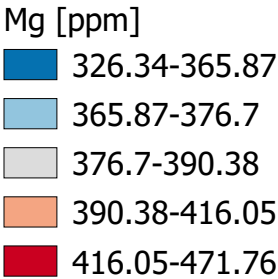


\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

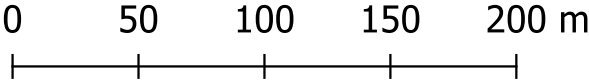
# Grandview:Mg



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	389.64	7

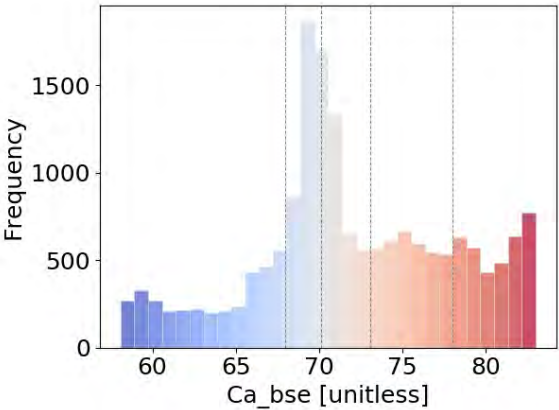
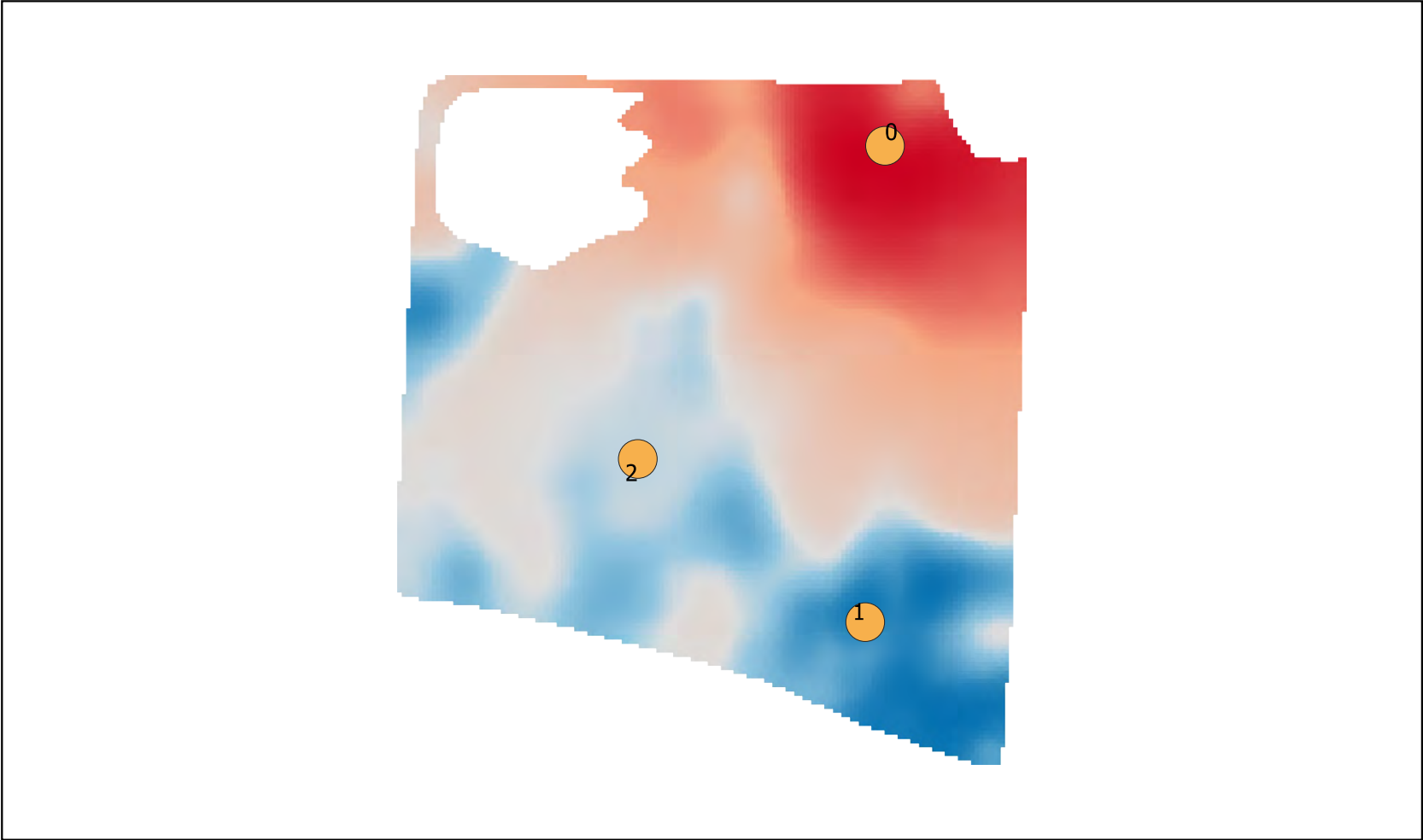


ID	Mg
0	444.0
1	360.0
2	336.0



\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

# Grandview:Ca\_bse

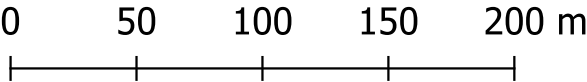


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	72.02	8

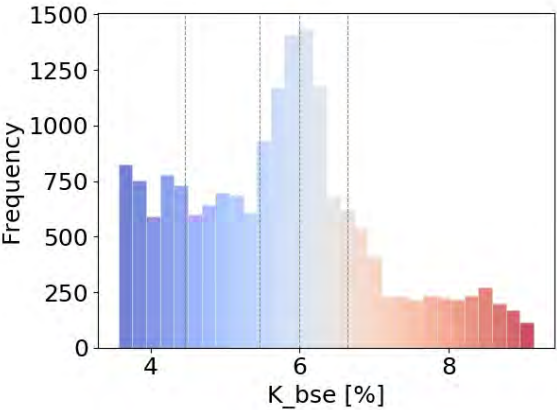
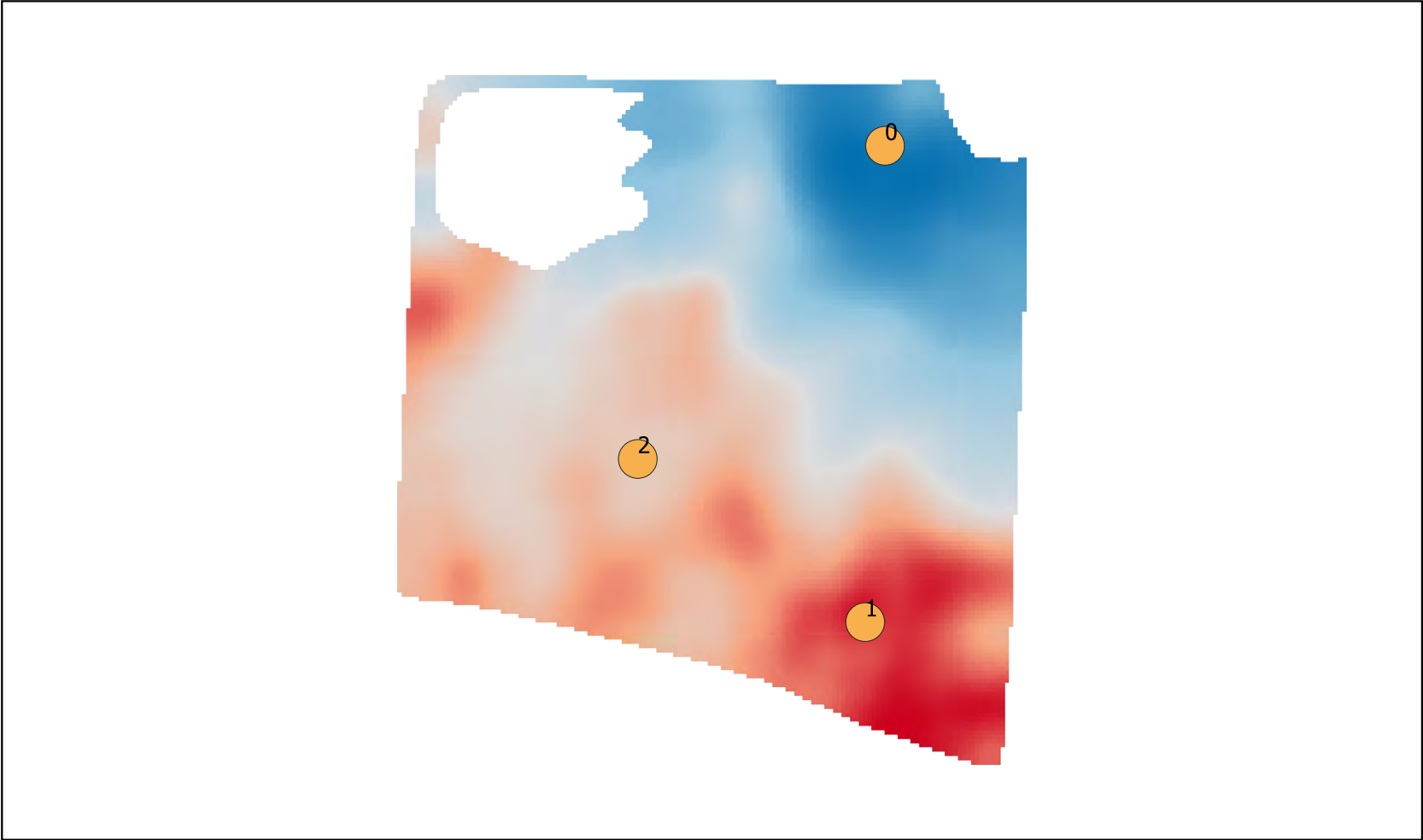
Ca\_bse [unitless]

- 58.08-67.95
- 67.95-70.1
- 70.1-73.04
- 73.04-78.02
- 78.02-83.0

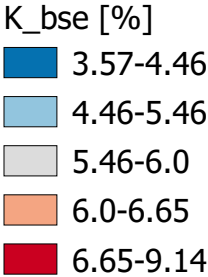
ID	Ca_bse
0	NAN
1	NAN
2	NAN



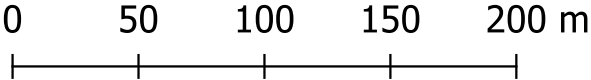
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	5.73	22



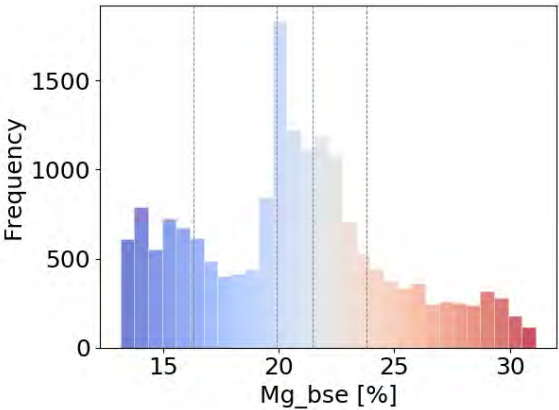
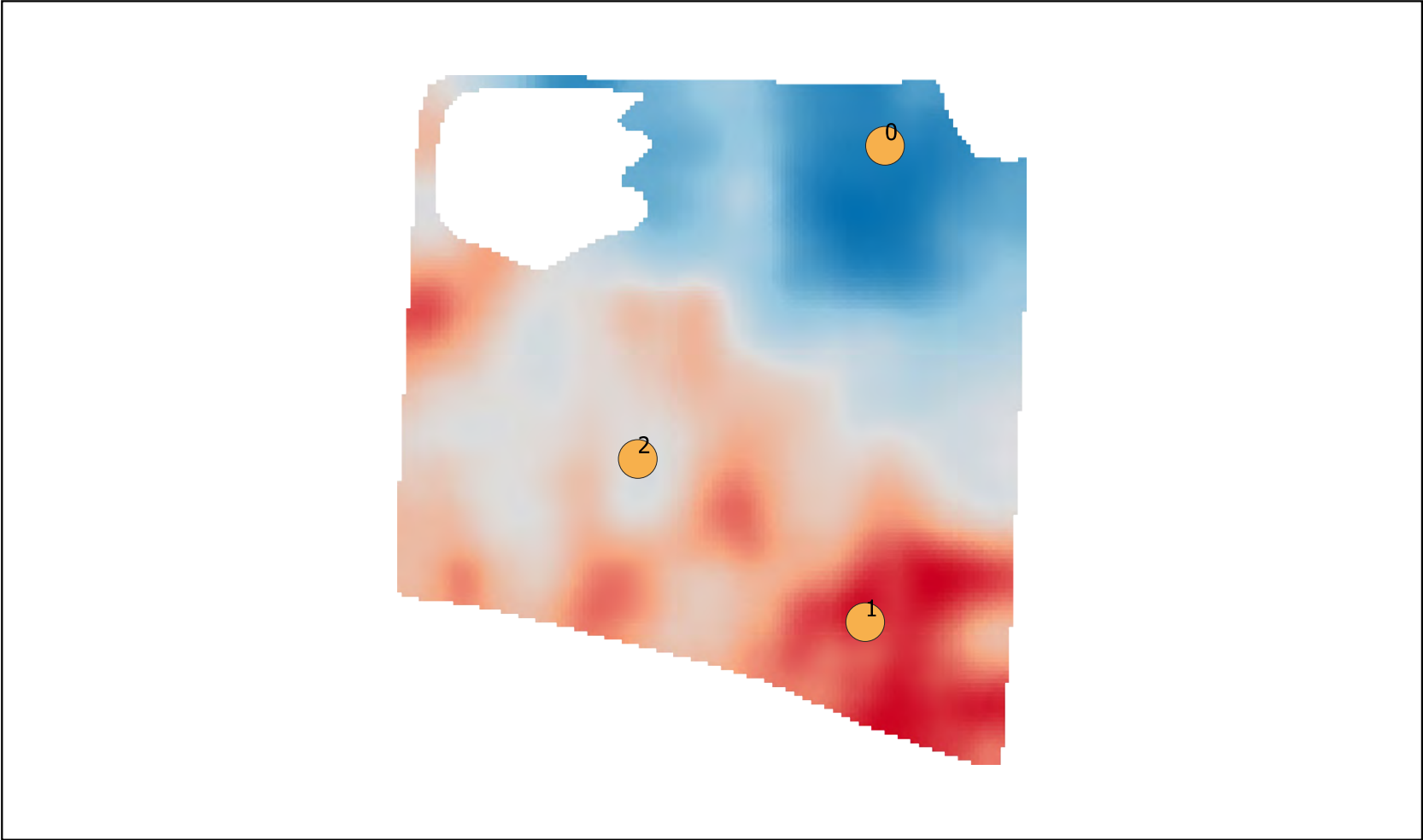
ID	K_bse
0	NAN
1	NAN
2	NAN



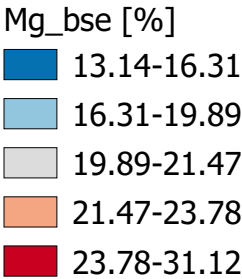
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



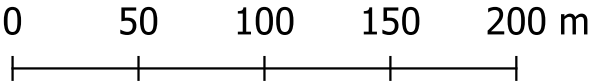
# Grandview:Mg\_bse



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	20.6	20



ID	Mg_bse
0	NAN
1	NAN
2	NAN

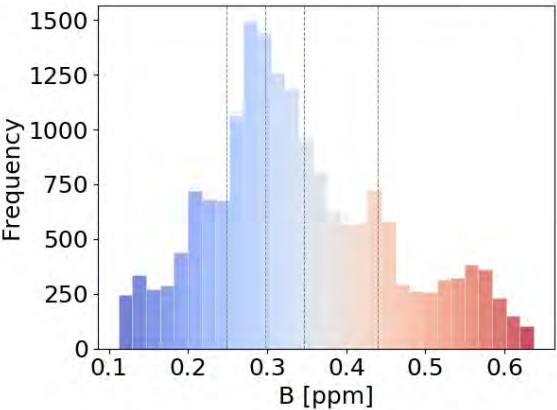
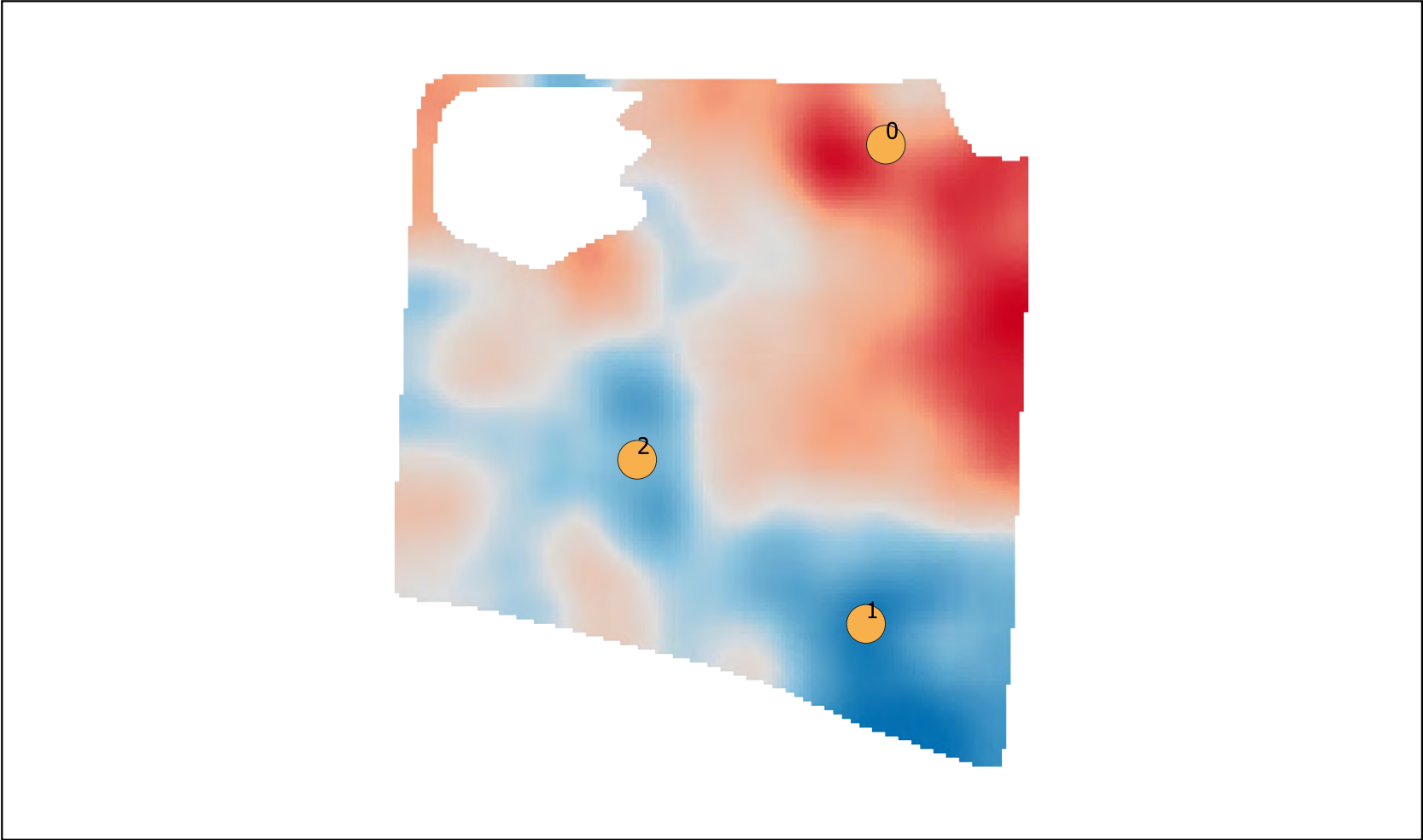


\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

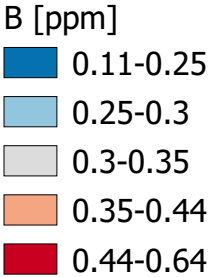


# Micronutrients

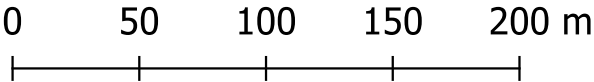
Variable	Mean	Min	Max	SD	CV	Units
B	0.34	0.11	0.64	0.12	35.29	ppm
Cu	1.84	1.66	2.08	0.07	3.8	ppm
Fe	25.2	8.4	38.47	5.46	21.67	ppm
Mn	2.34	1.45	2.98	0.26	11.11	ppm
Na	14.37	3.02	34.02	6.37	44.33	ppm
Zn	8.66	4.53	14.07	2.01	23.21	ppm



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	0.34	33

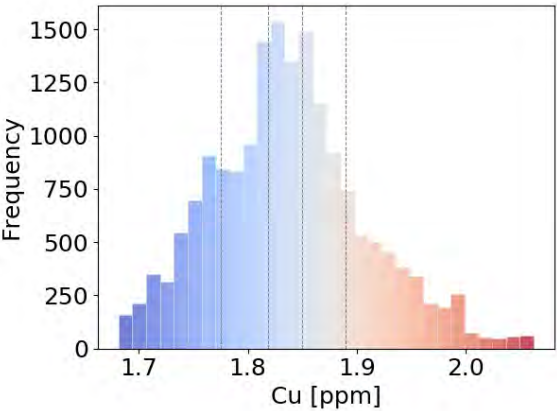
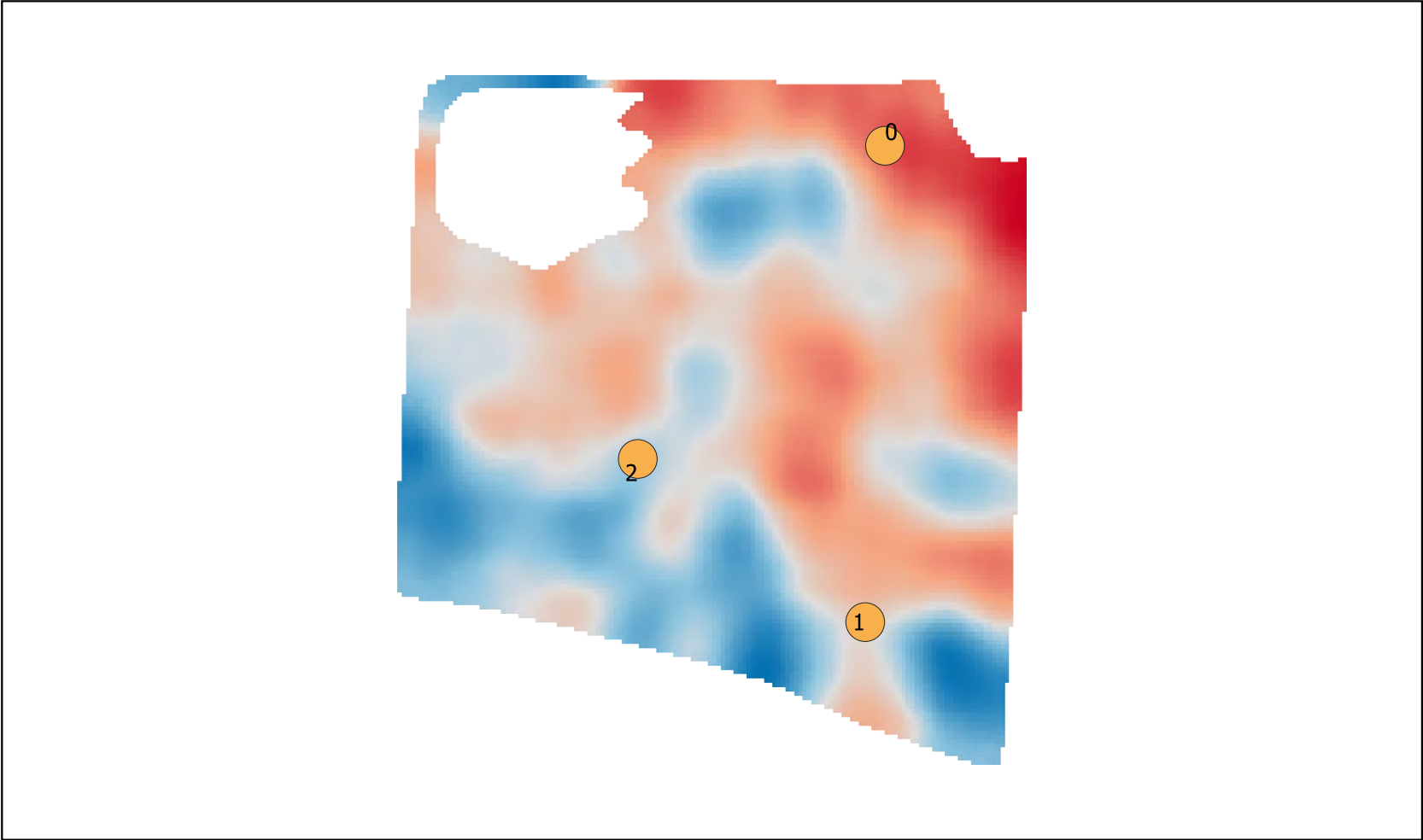


ID	B
0	0.49
1	0.16
2	0.18

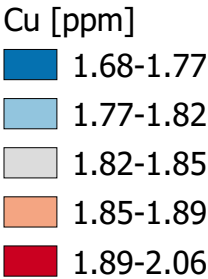


\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

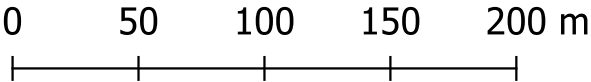
# Grandview:Cu



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	1.84	3

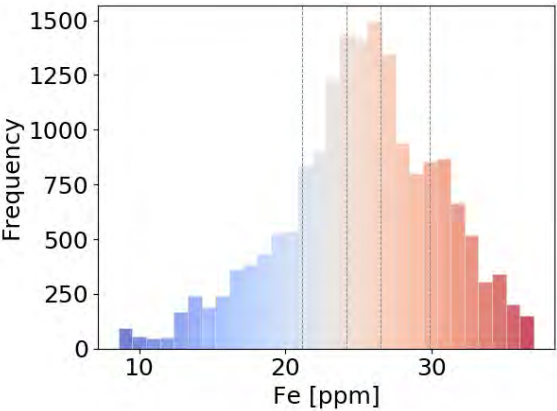
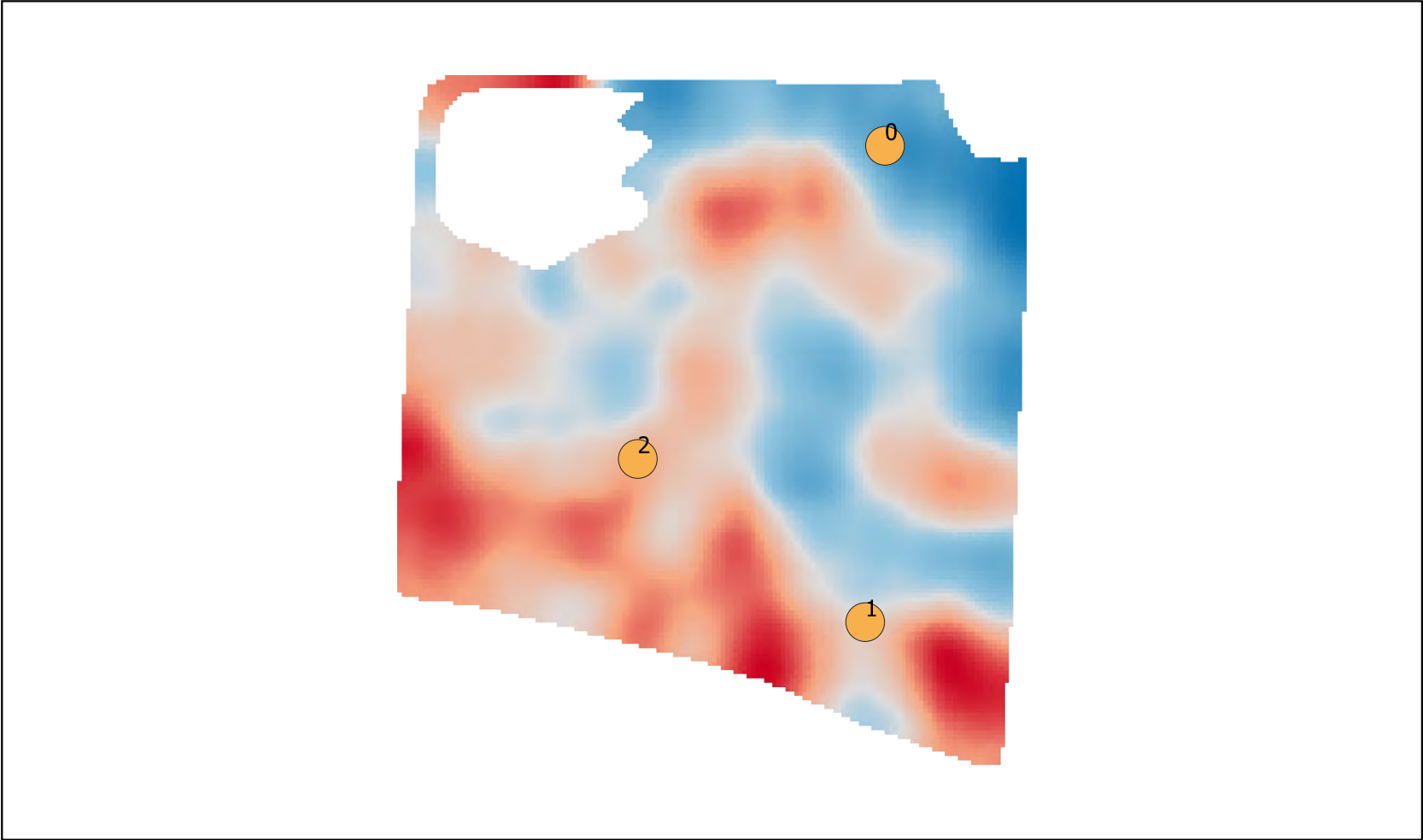


ID	Cu
0	2.0
1	1.8
2	1.8

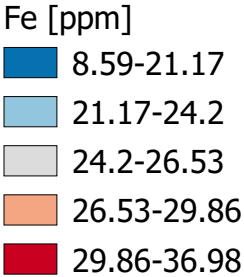


\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

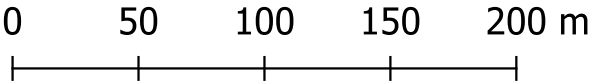
# Grandview:Fe



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	25.15	21



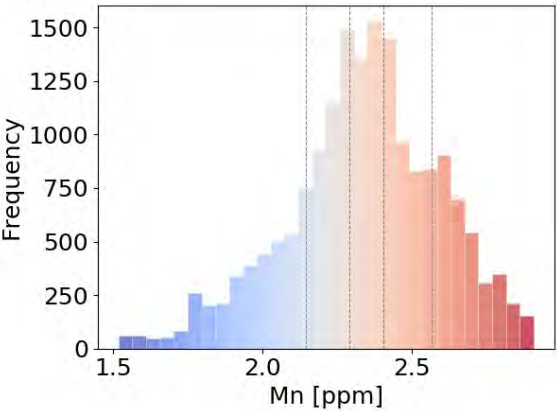
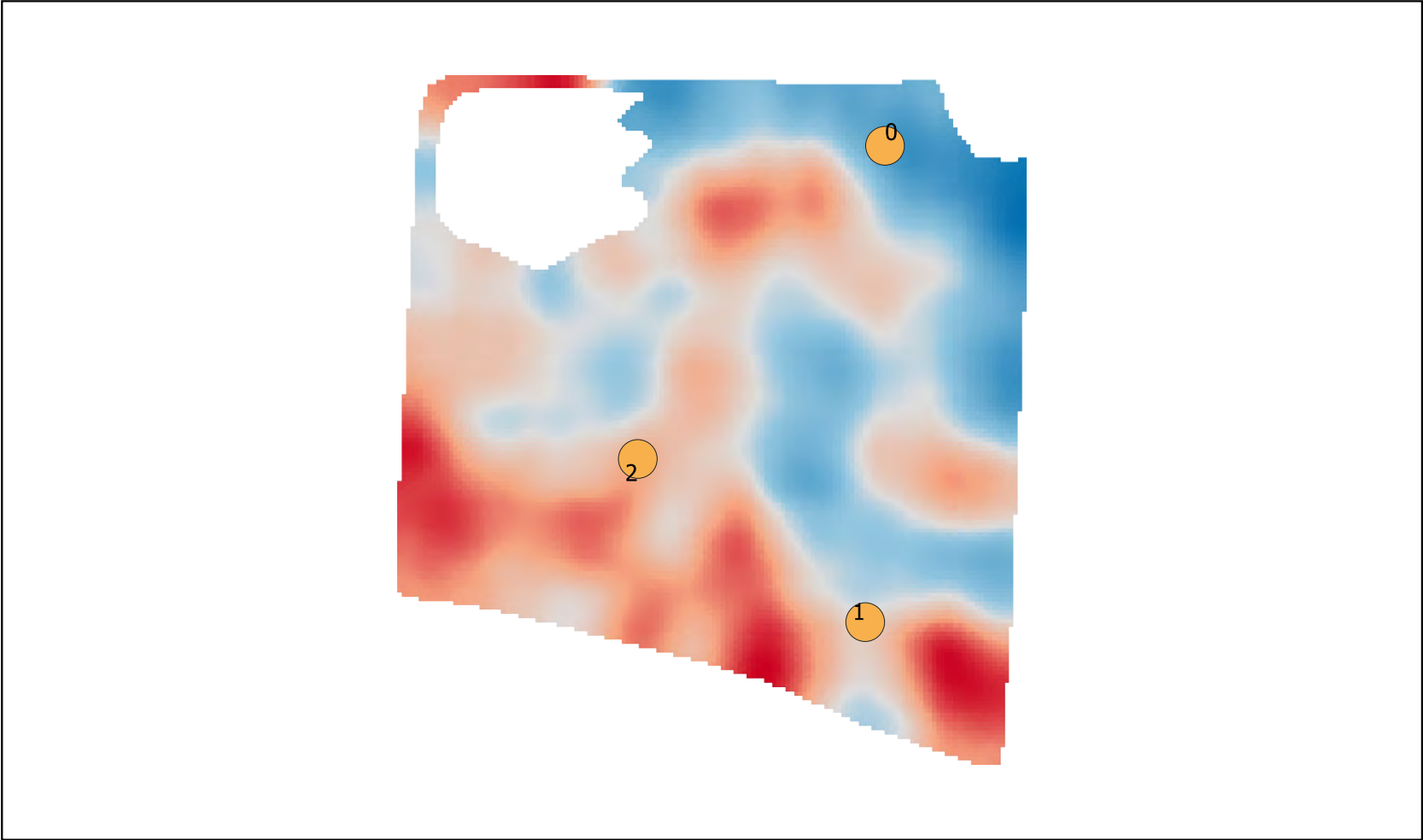
ID	Fe
0	12.0
1	31.0
2	26.0



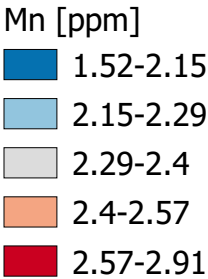
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



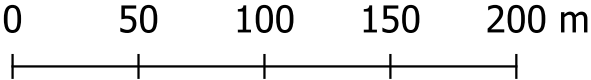
# Grandview:Mn



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	2.34	10

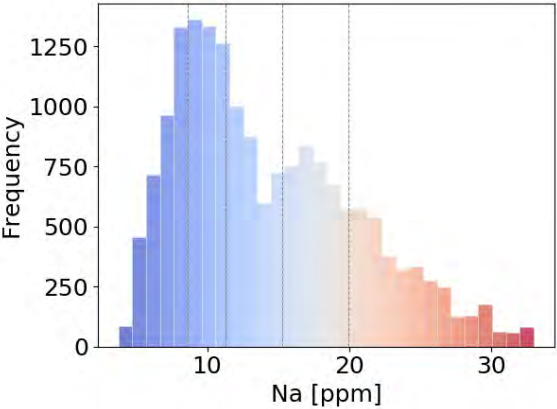
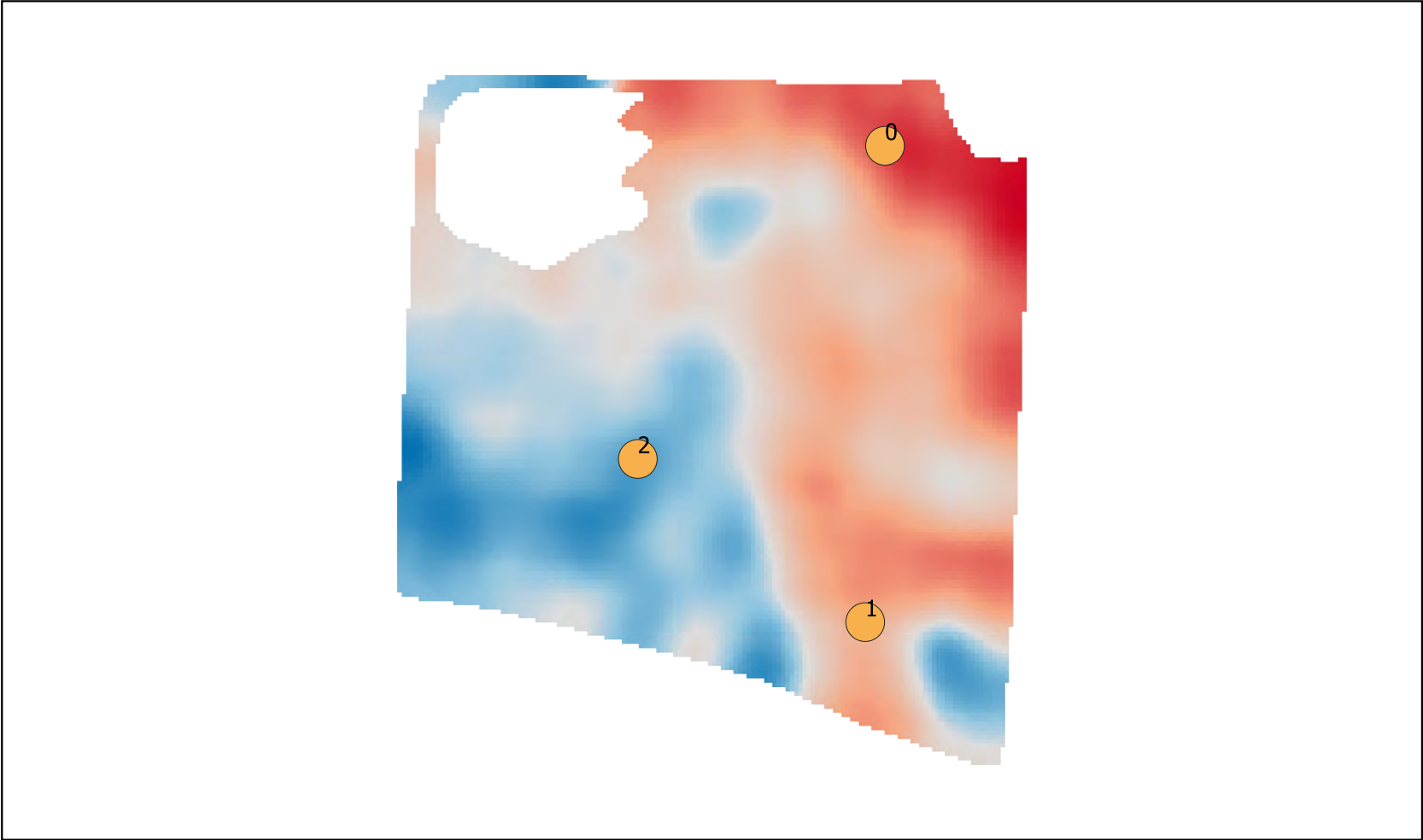


ID	Mn
0	1.9
1	2.0
2	0.9

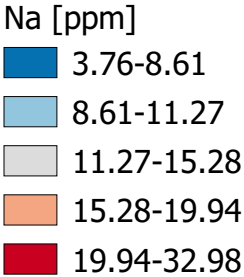


\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

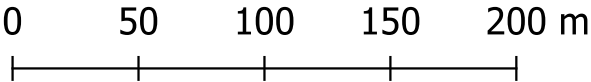
# Grandview:Na



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	14.3	43

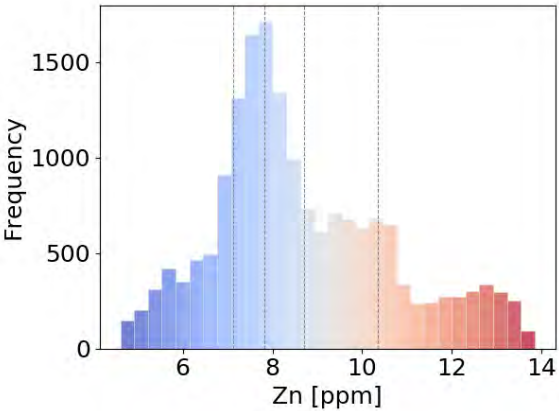
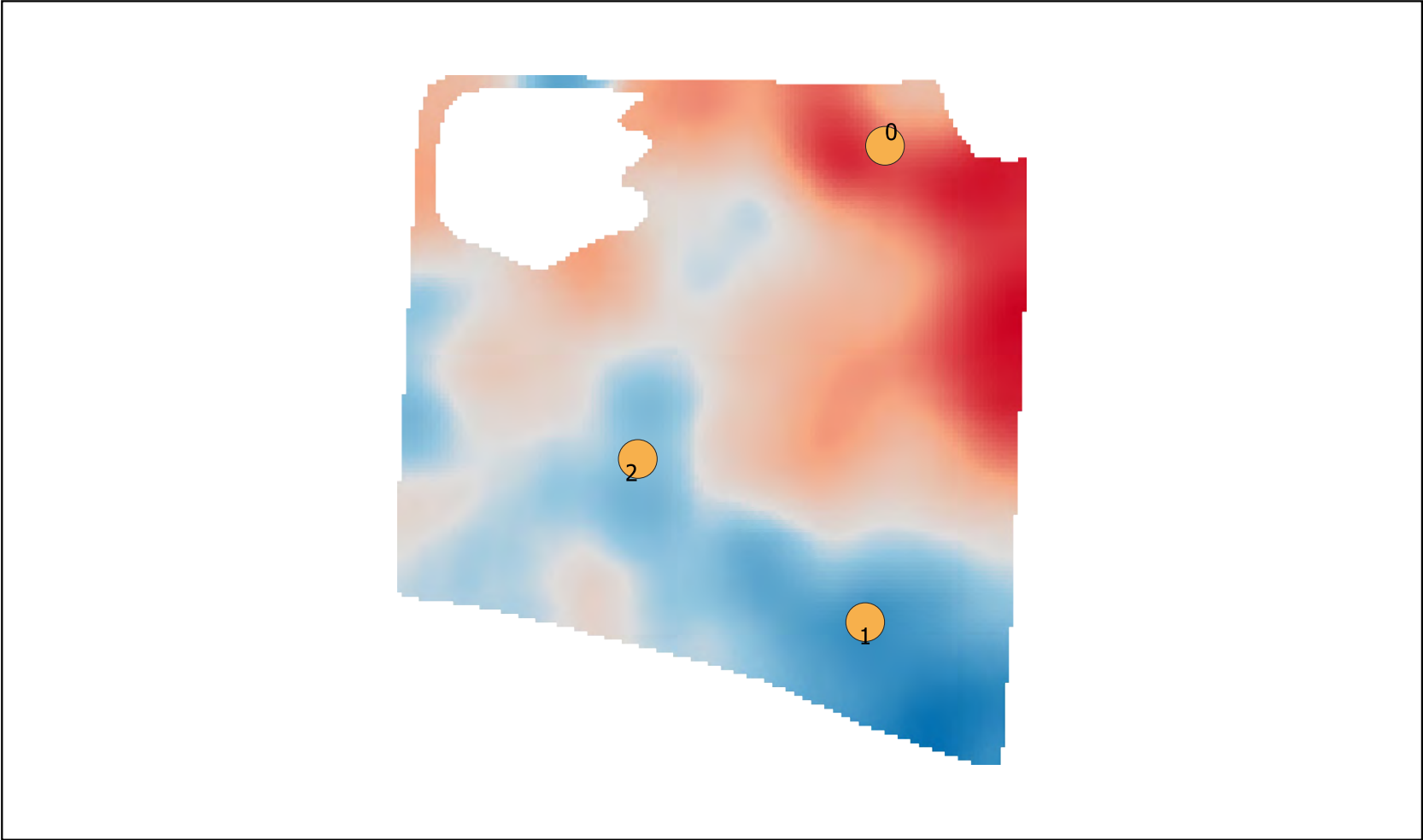


ID	Na
0	32.2
1	23.0
2	20.7

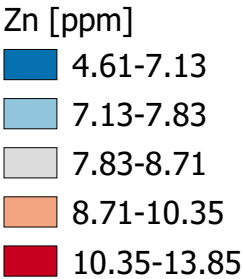


\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

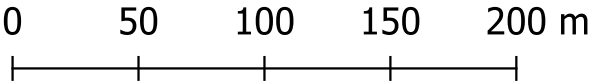
# Grandview:Zn



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	8.65	23



ID	Zn
0	12.1
1	6.7
2	5.3



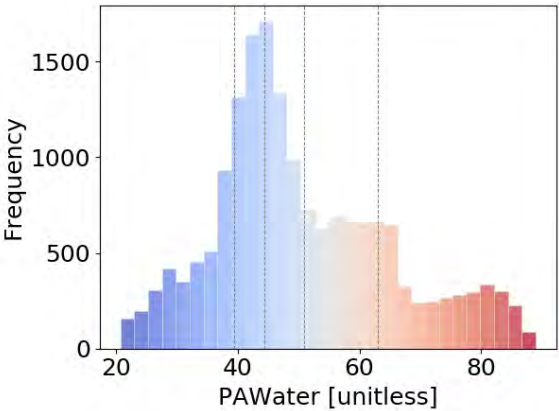
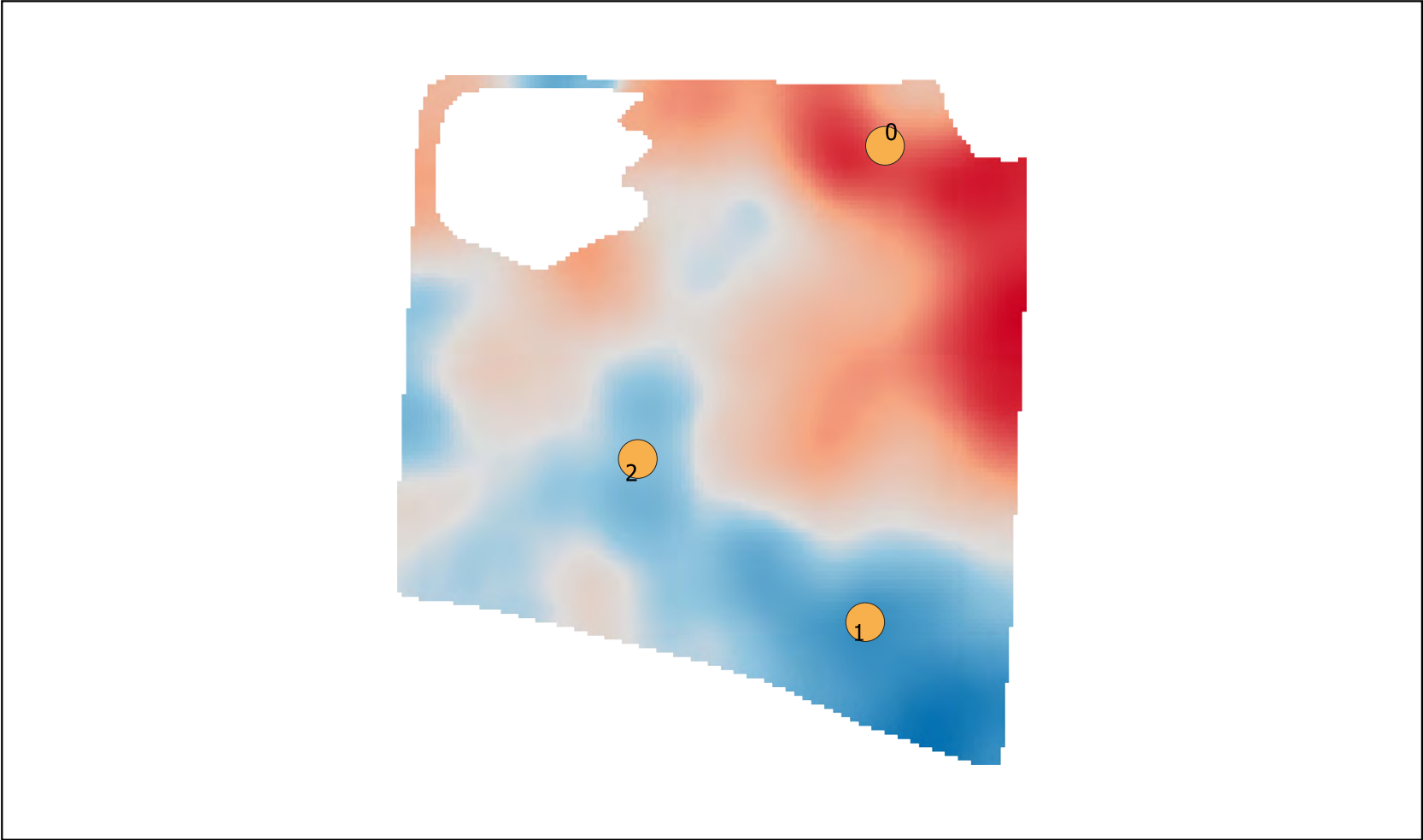
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



# Complex Models

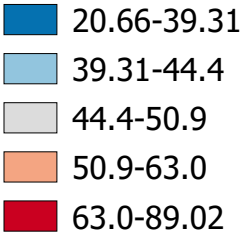
Variable	Mean	Min	Max	SD	CV	Units
Leak	14.88	8.85	22.78	2.94	19.76	unitless
PAWater	50.61	20.08	90.56	14.86	29.36	unitless
SALT	0.23	0.12	0.37	0.04	17.39	mmhos/cm

# Grandview:PAWater

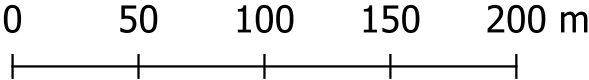


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	50.52	29

PAWater [unitless]



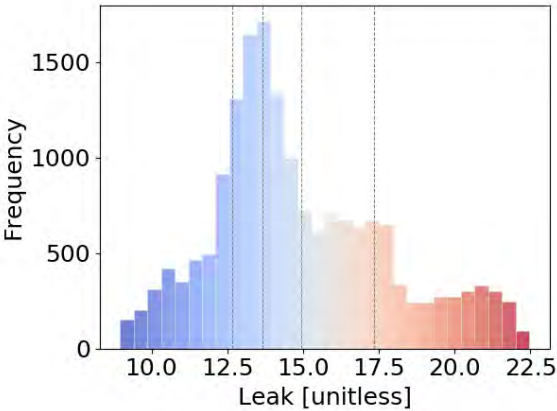
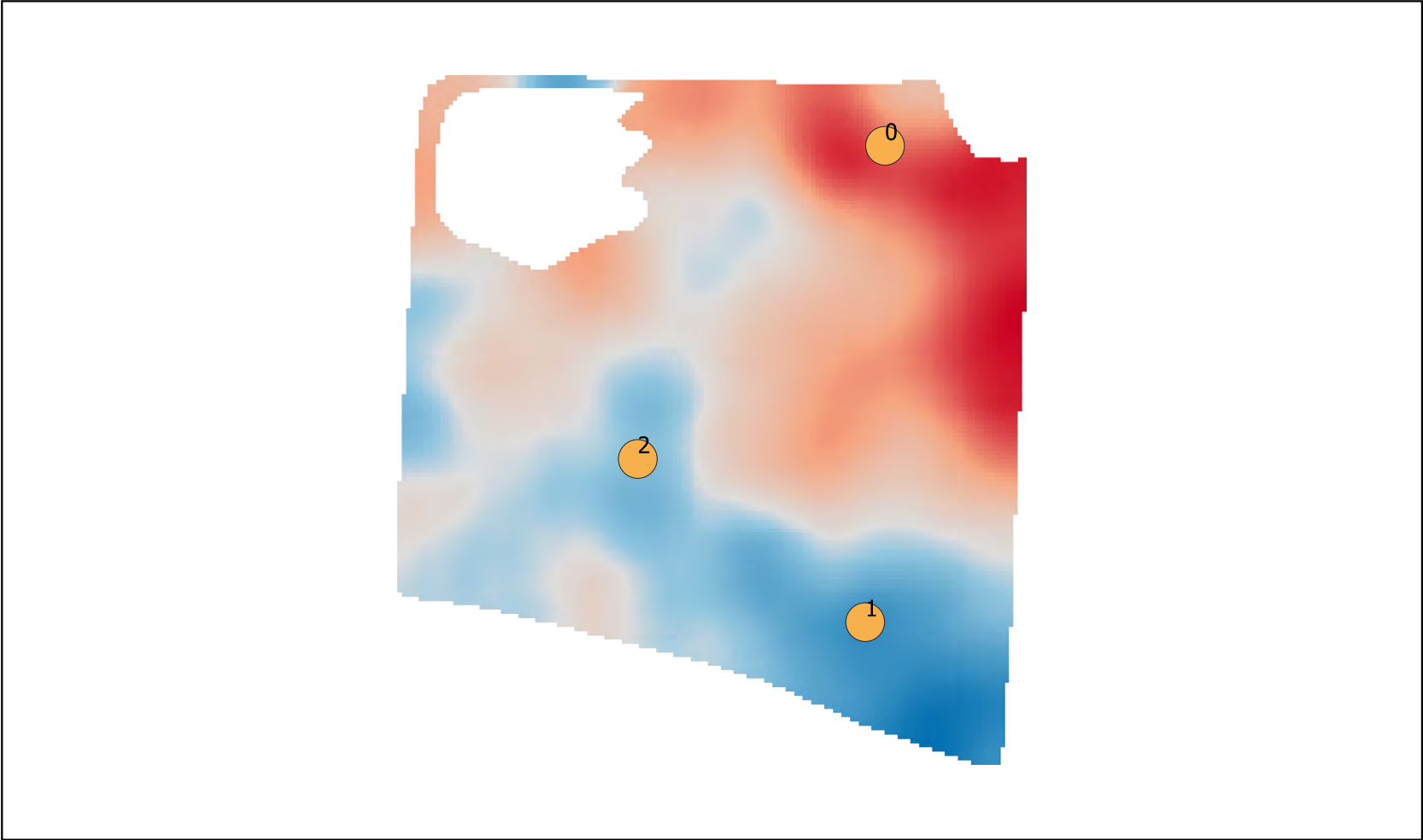
ID	PAWater
0	NAN
1	NAN
2	NAN



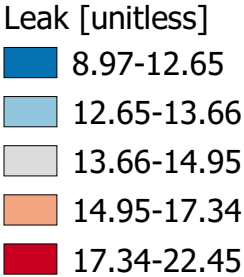
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.



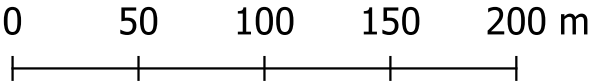
# Grandview:Leak



Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	14.87	19

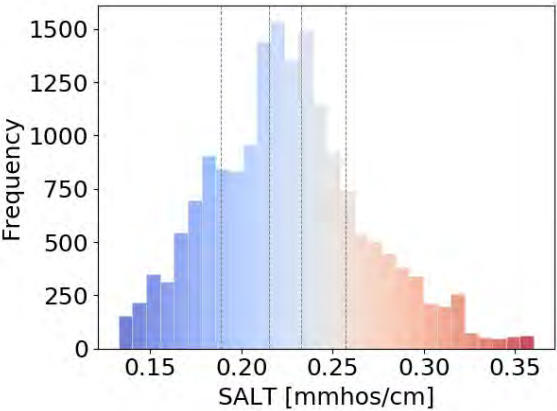
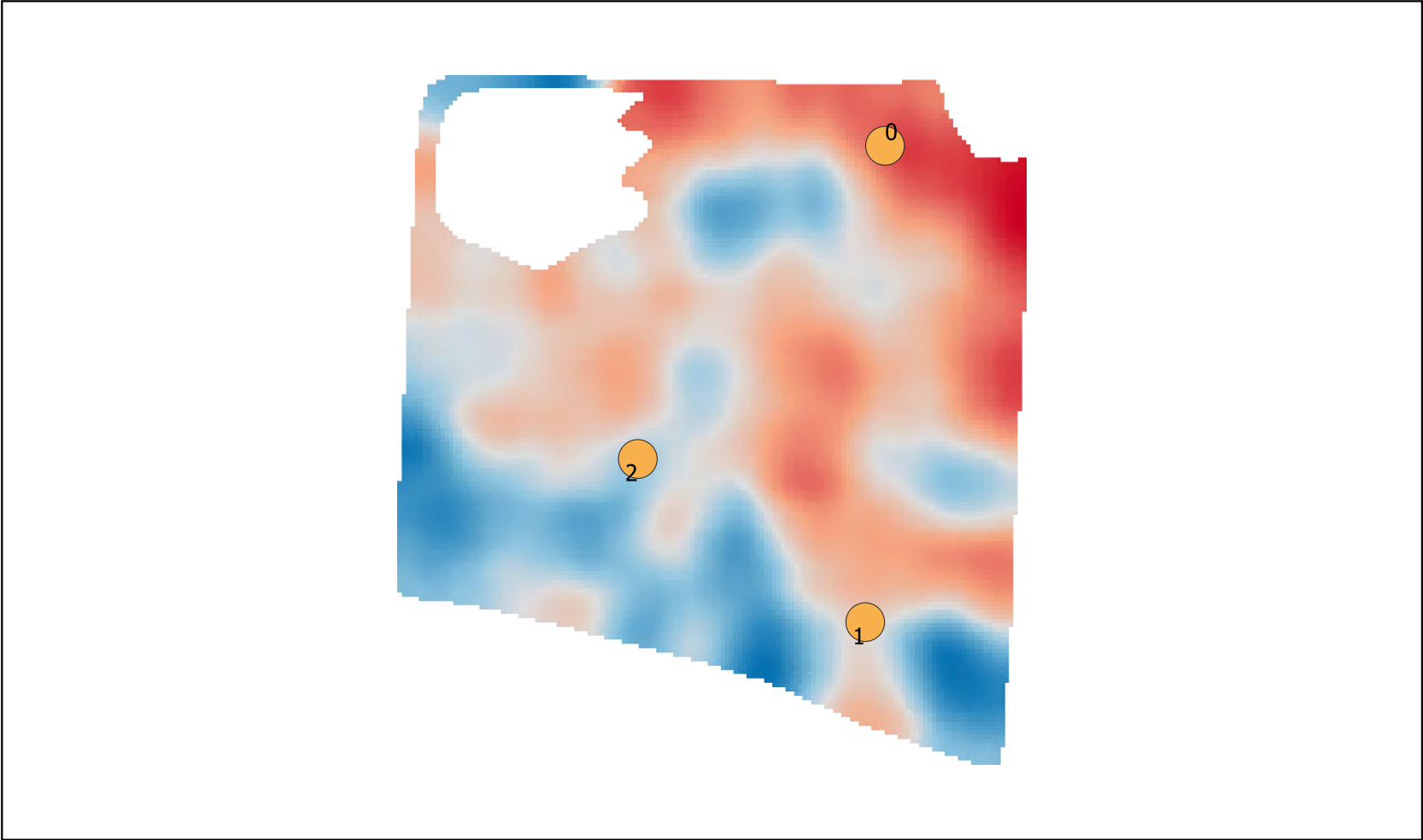


ID	Leak
0	NAN
1	NAN
2	NAN



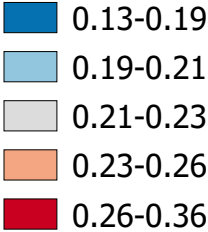
\*This document is designed to provide you a "snapshot" of your field at a glance. Legend descriptions are not recommendations.

# Grandview:SALT

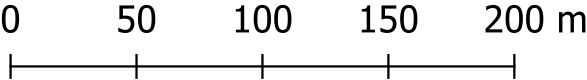


Client	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Smart Orchard	Apples	5/27/21	17.4	0.23	18

SALT [mmhos/cm]



ID	SALT
0	NAN
1	NAN
2	NAN



\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

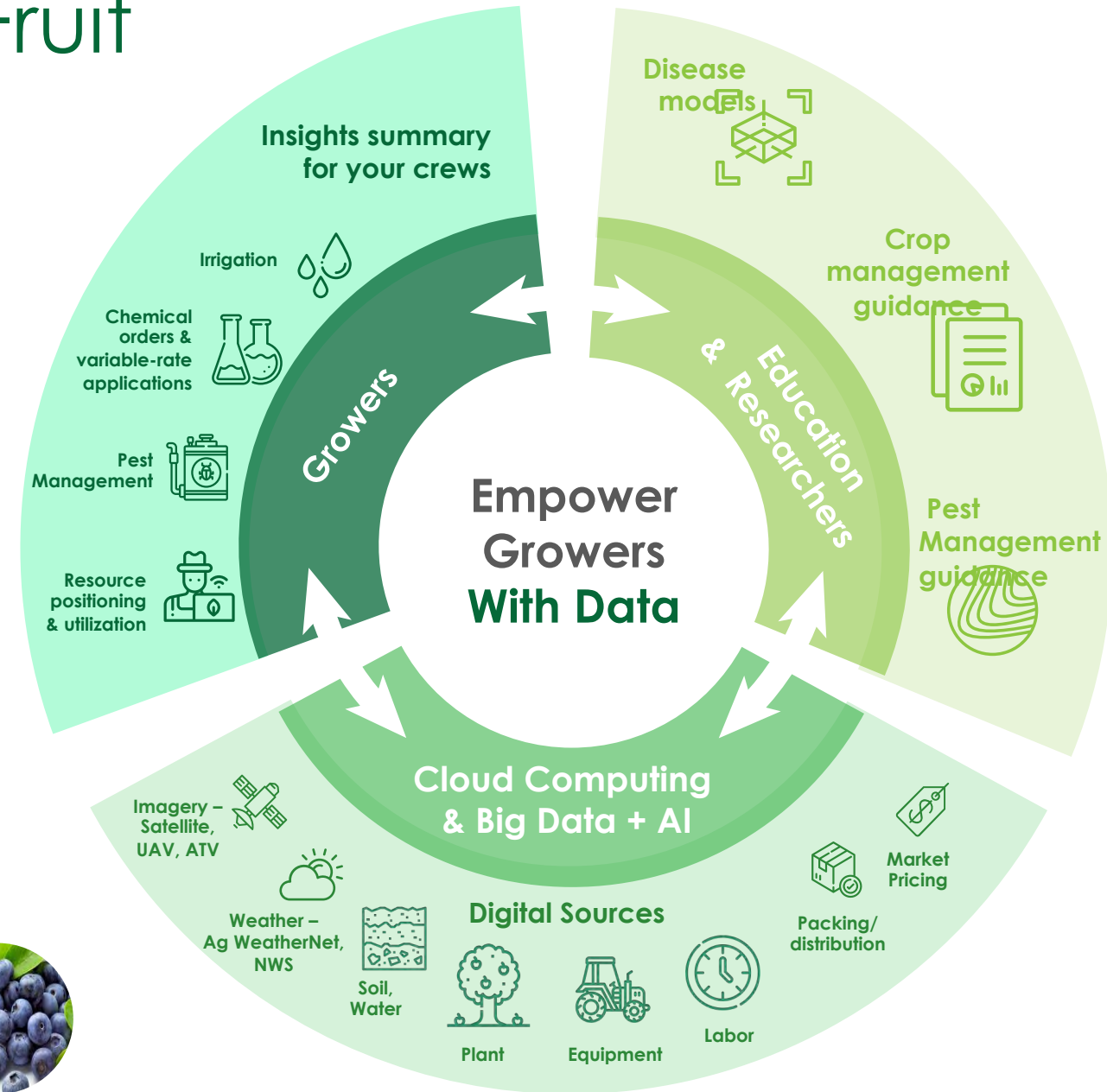


# Appendix

# Target Values for Tree Fruit

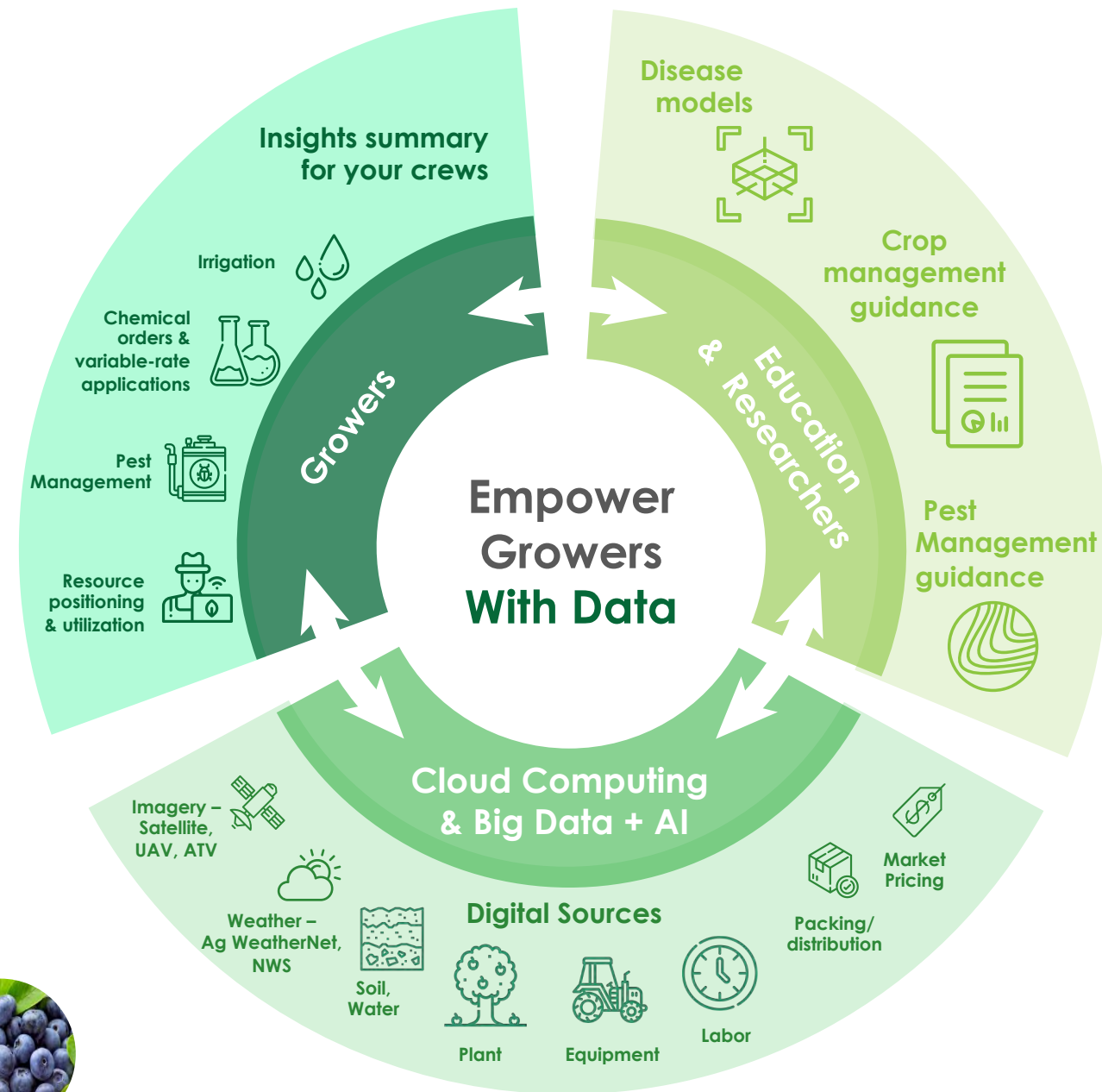
Variable	Unit	Low	Target Value	High
pH	unitless	<5	6-7.5	>8
K	ppm	<120	150-250	>300
Ca	ppm	<3	820-4000	
Mg	ppm	<0.5	60-300	>2.5
Na	ppm		<115	>0.5
B	ppm	<1	1-1.5	>1.5
S	ppm	<4	9-20	>20
Zn	ppm	<0.25	0.6-1	
Cu	ppm	<0.1	0.6-1	>20
Mn	ppm		1-5	>50
Fe	ppm		>4.5	
P	ppm	<10	15-40	>50

\* Per Washington State University research



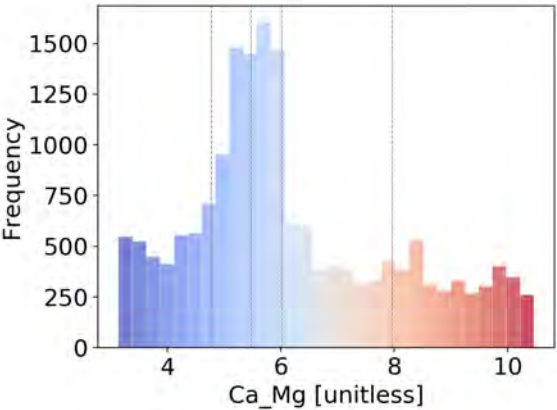
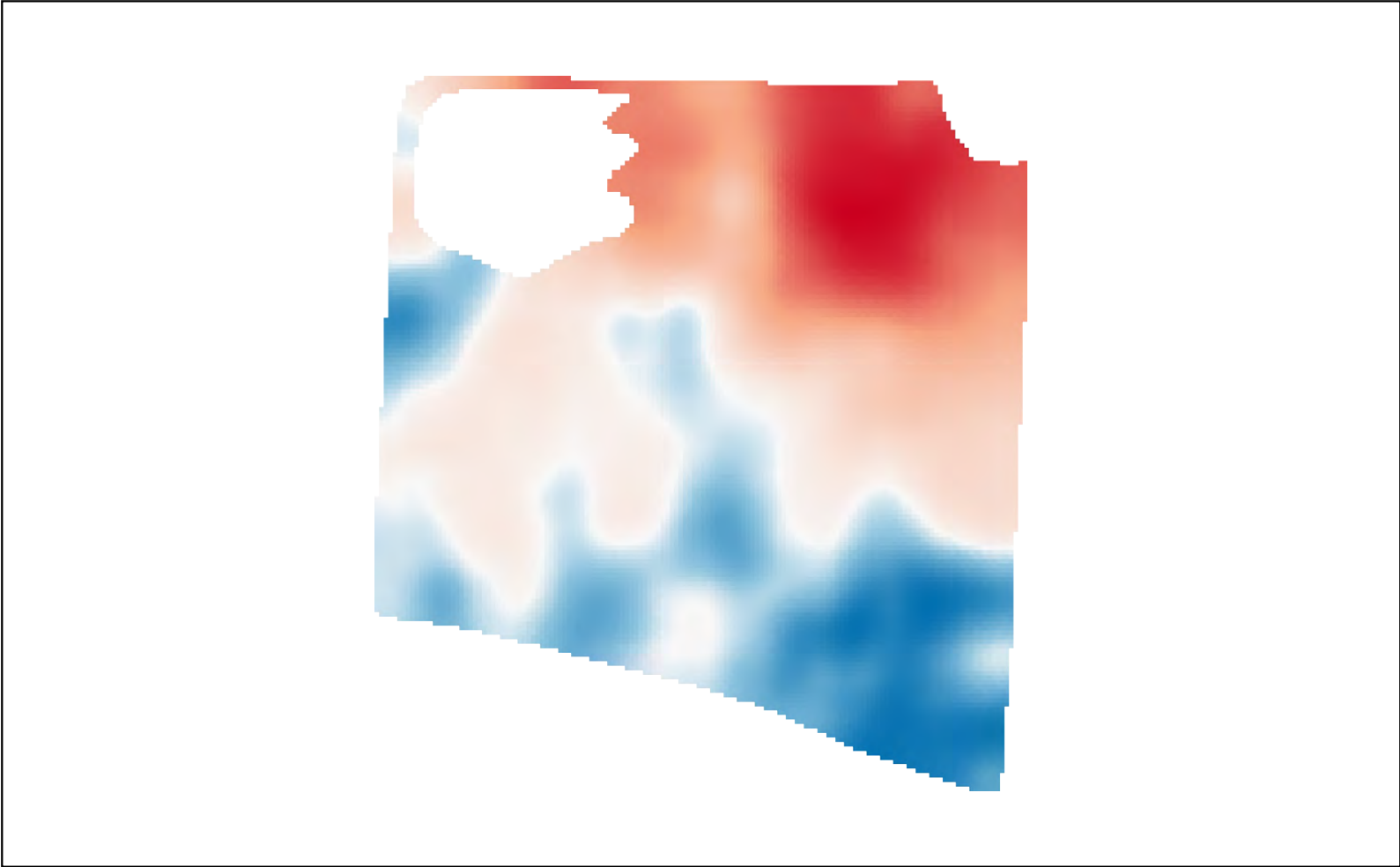
# Ratios

- Calcium-Magnesium
- Potassium-Magnesium
- Calcium-Potassium
- Calcium-Phosphorous
- Potassium-Boron
- Potassium-Magnesium
- Manganese-Copper
- Manganese-Zinc
- Phosphorous-Copper
- Phosphorous-Manganese
- Zinc-Copper



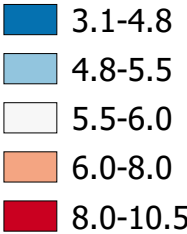


# Ratio:Ca\_Mg

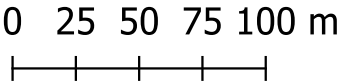


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	6.18	28

Ca\_Mg [unitless]

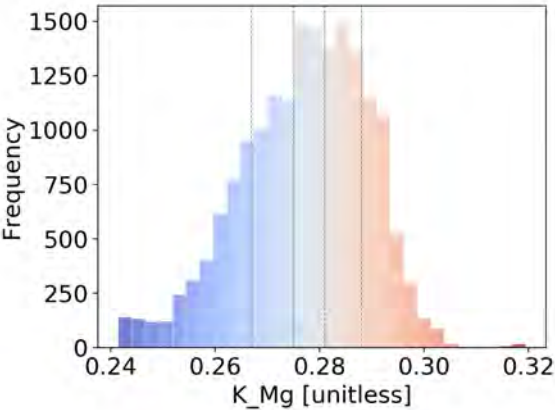
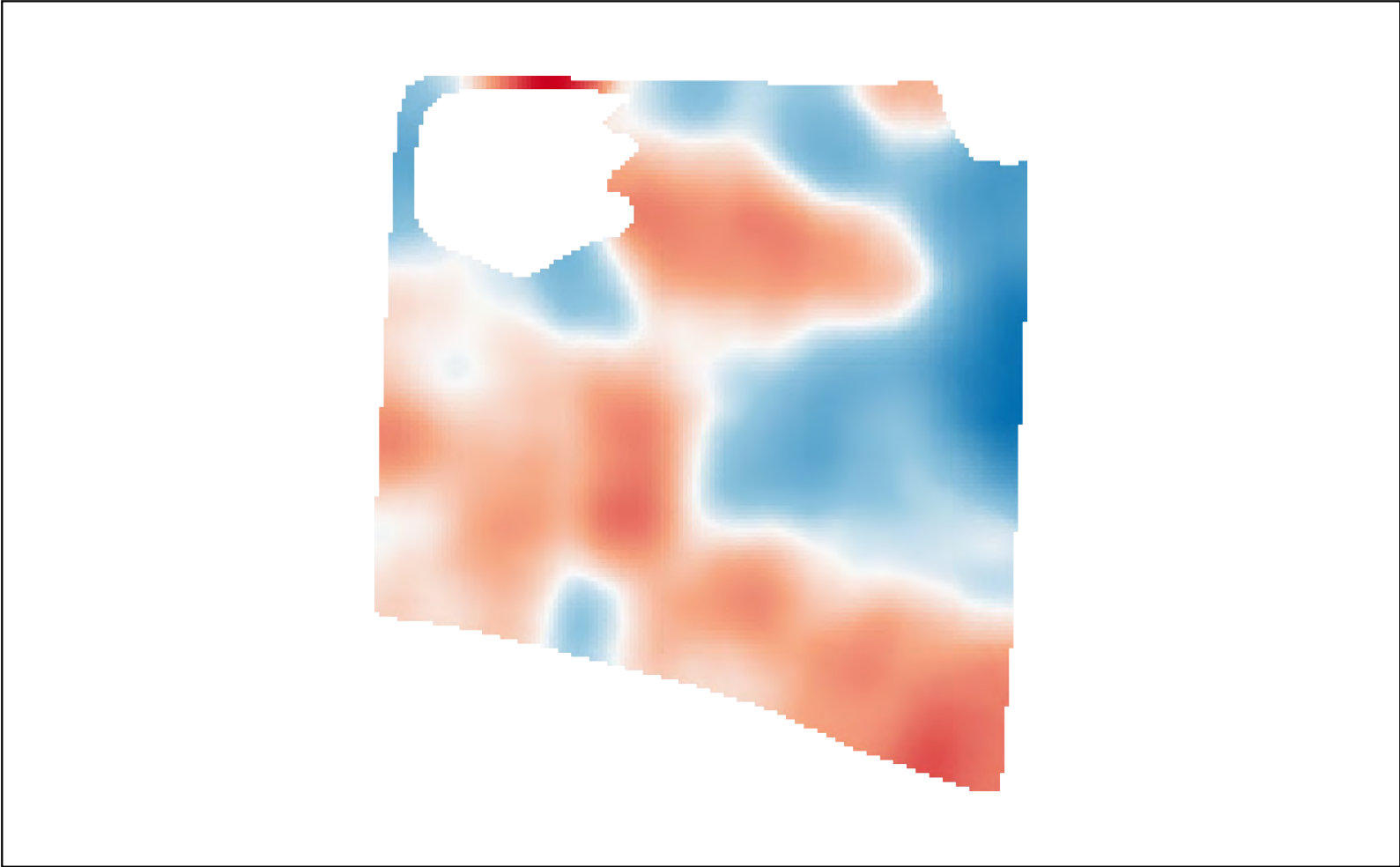


Values	Acres
3.14-4.77	3.48
4.77-5.47	3.49
5.47-6.02	3.48
6.02-7.97	3.48
7.97-10.46	3.48



\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

# Ratio:K\_Mg

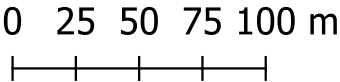


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	0.28	4

K\_Mg [unitless]

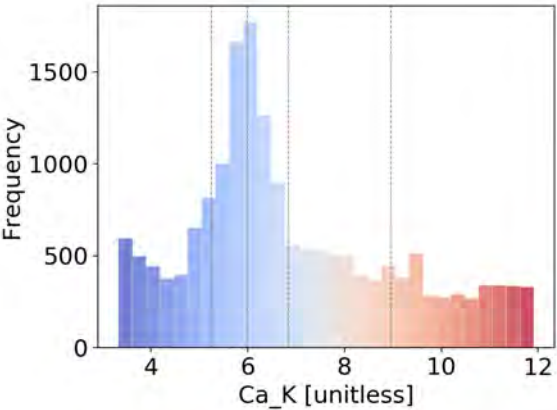
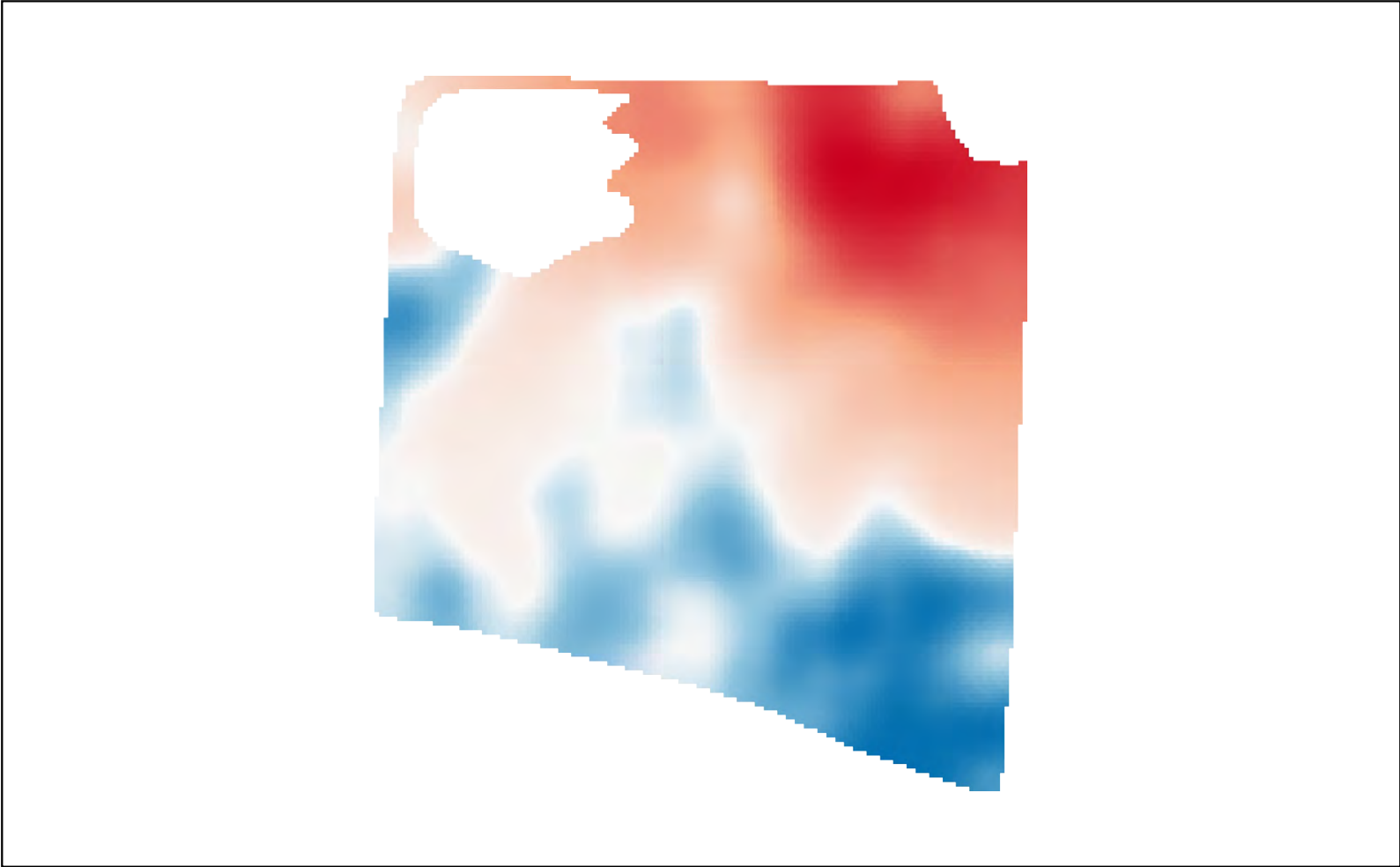
- 0.2-0.3
- 0.3-0.3
- 0.3-0.3
- 0.3-0.3
- 0.3-0.3

Values	Acres
0.24-0.27	3.59
0.27-0.28	3.31
0.28-0.28	3.34
0.28-0.29	3.77
0.29-0.32	3.38



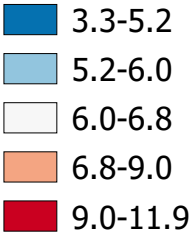
\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

# Ratio:Ca\_K

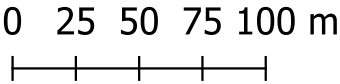


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	6.91	31

Ca\_K [unitless]

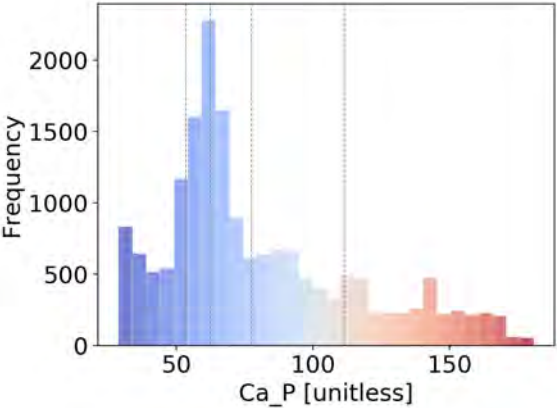
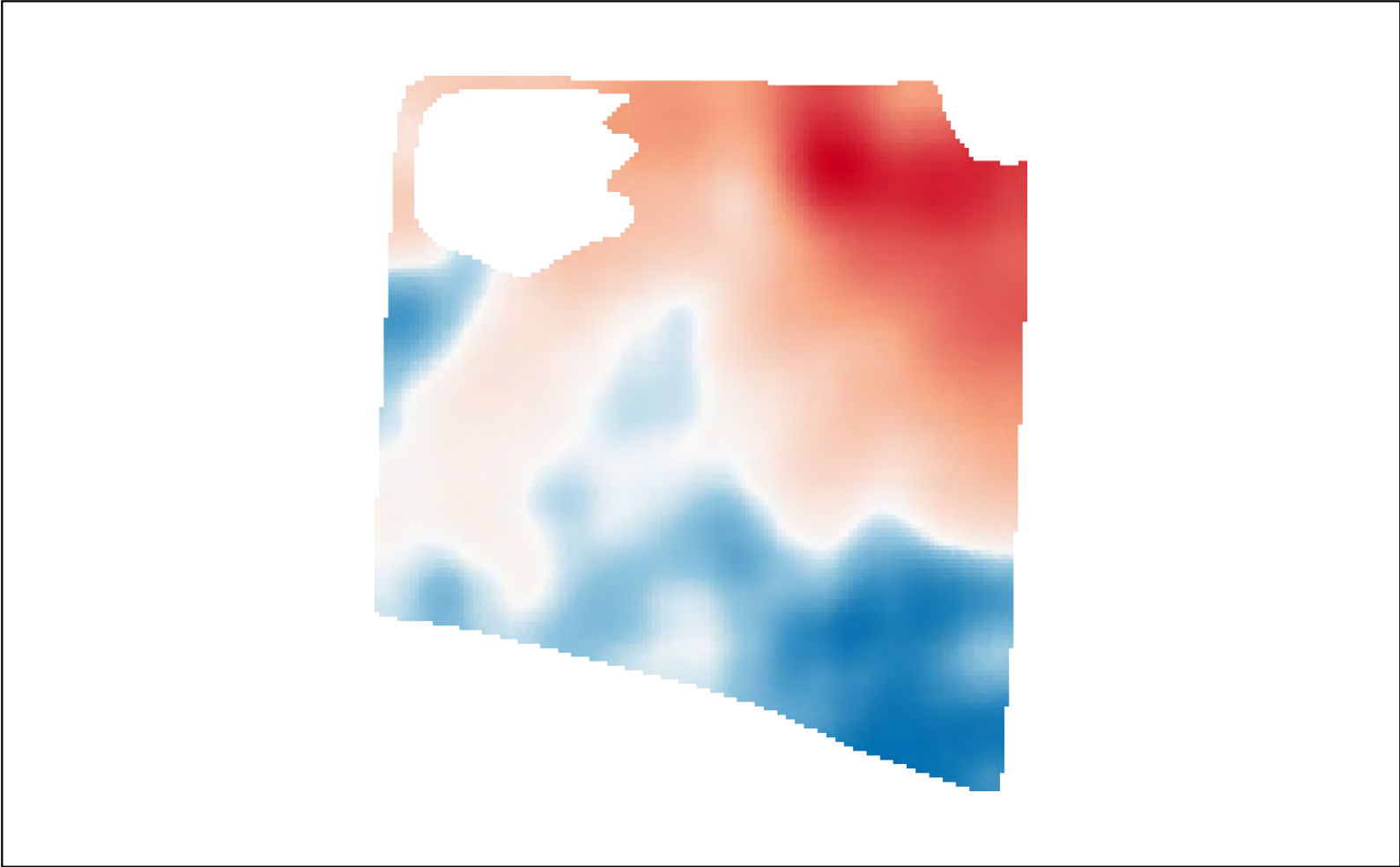


Values	Acres
3.33-5.24	3.48
5.24-5.99	3.48
5.99-6.84	3.48
6.84-8.96	3.48
8.96-11.91	3.48



\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

# Ratio:Ca\_P



Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	80.0	44

Ca\_P [unitless]

28.7-53.4

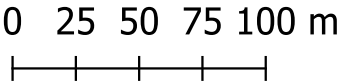
53.4-62.4

62.4-77.5

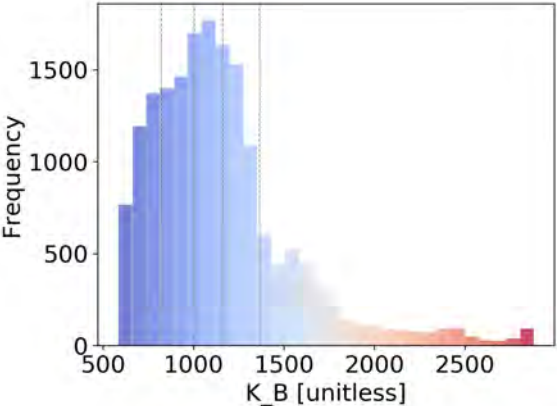
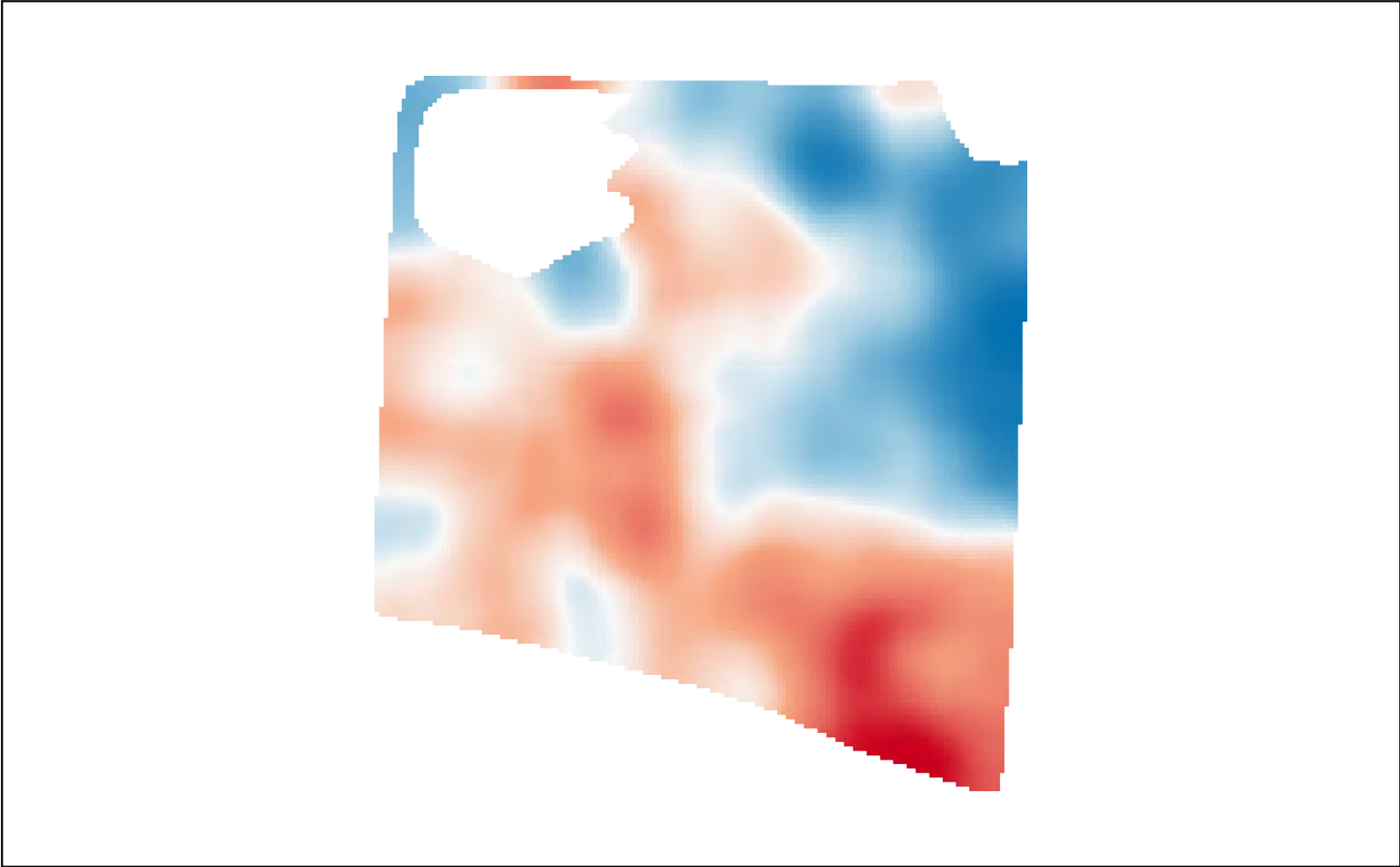
77.5-111.4

111.4-180.8

Values	Acres
28.75-53.37	3.48
53.37-62.44	3.48
62.44-77.51	3.48
77.51-111.41	3.48
111.41-180.76	3.48



\*This document is designed to provide you a “snapshot” of your field at a glance. Legend descriptions are not recommendations.

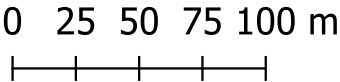


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	1149.24	35

K\_B [unitless]

- 584.3-822.1
- 822.1-1004.3
- 1004.3-1161.0
- 1161.0-1364.7
- 1364.7-2880.3

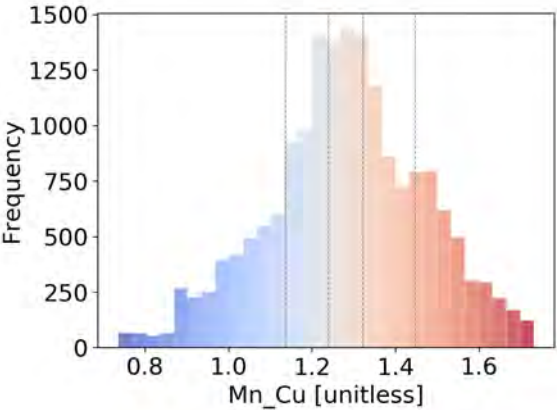
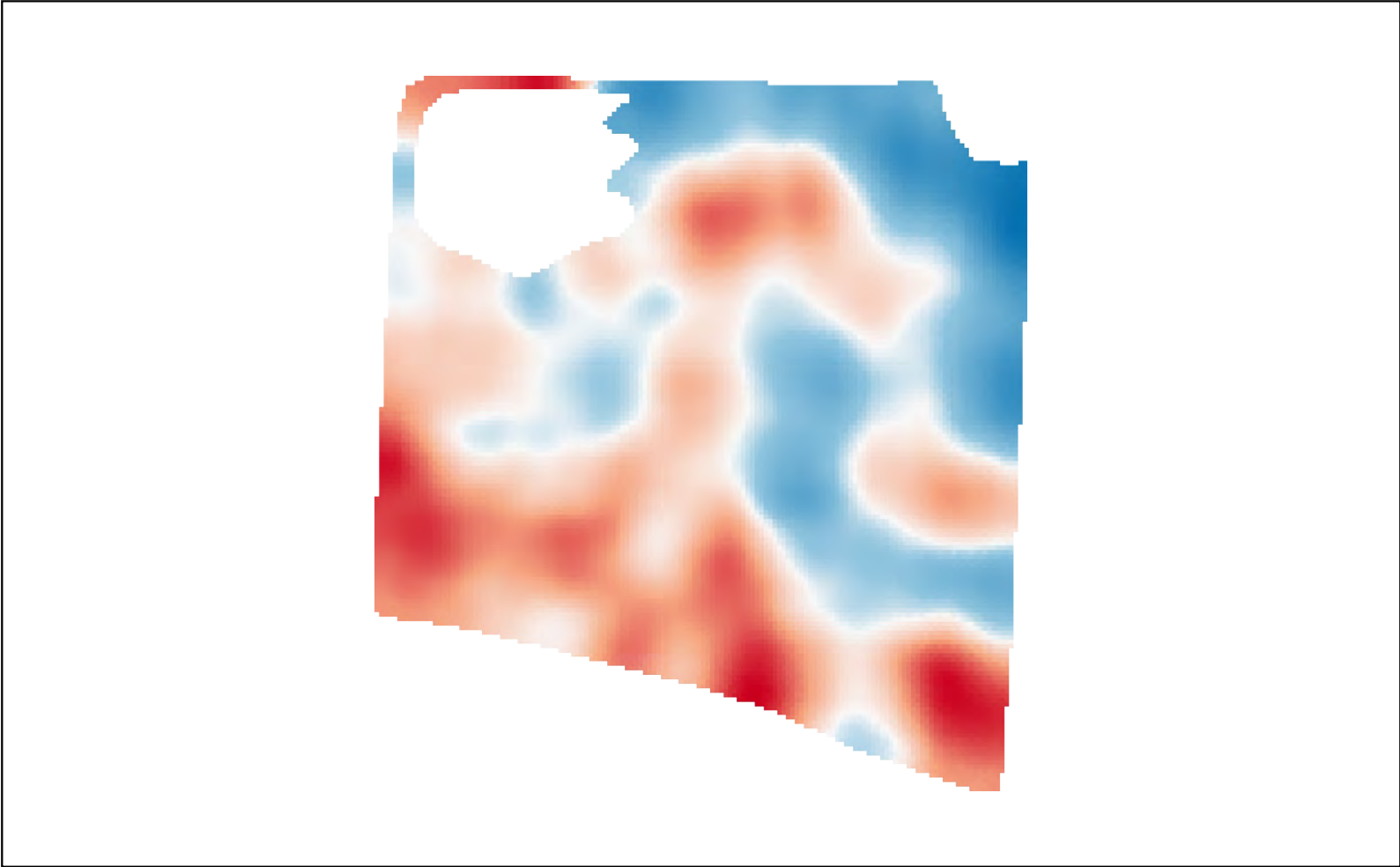
Values	Acres
584.31-822.09	3.48
822.09-1004.27	3.48
1004.27-1161.04	3.48
1161.04-1364.68	3.48
1364.68-2880.3	3.48



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# Ratio:Mn\_Cu

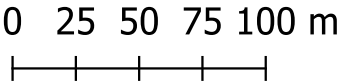


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	1.28	15

Mn\_Cu [unitless]

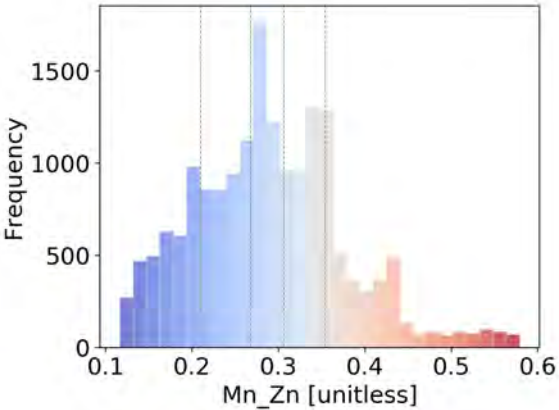
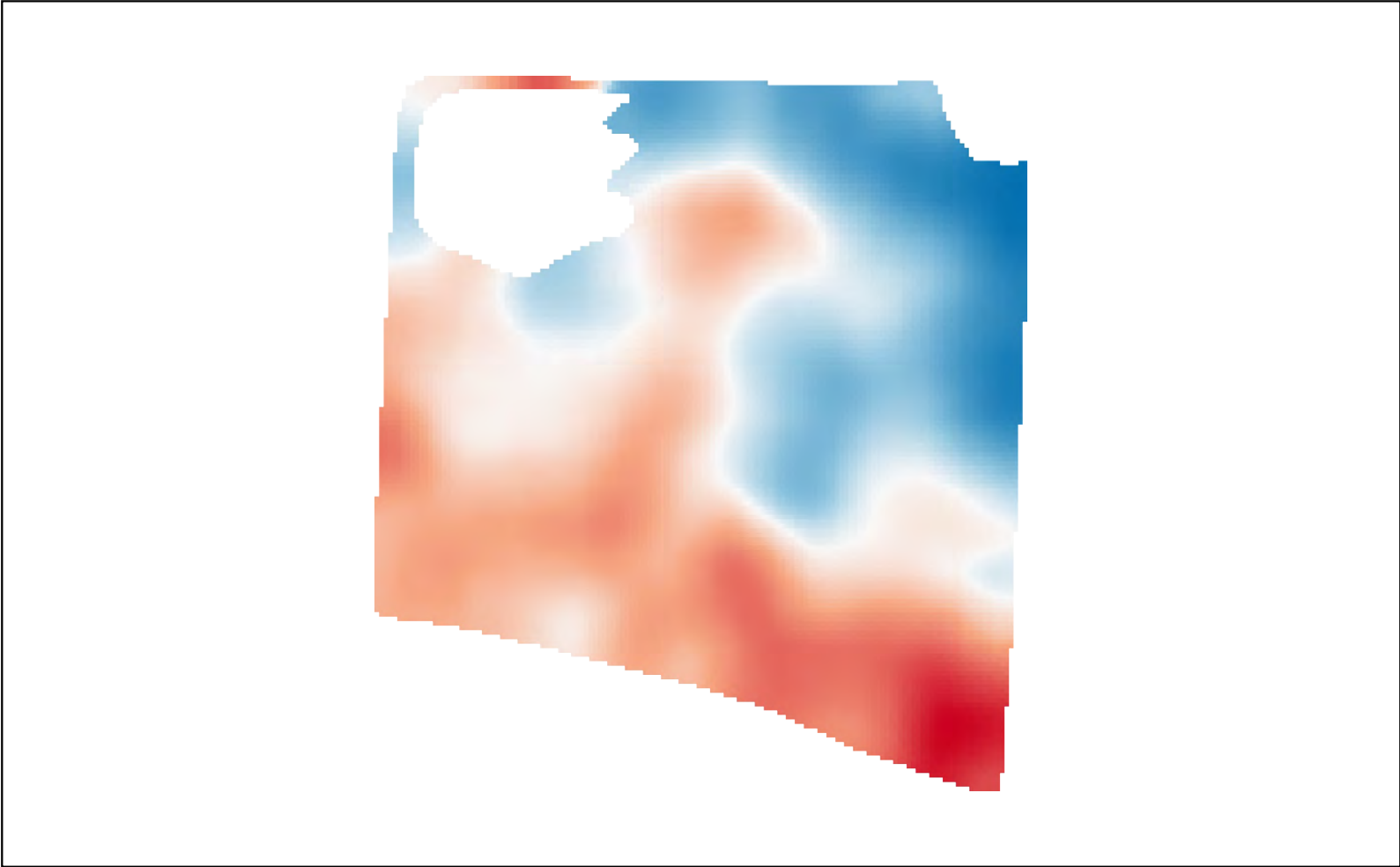
- 0.7-1.1
- 1.1-1.2
- 1.2-1.3
- 1.3-1.4
- 1.4-1.7

Values	Acres
0.73-1.14	3.47
1.14-1.24	3.47
1.24-1.32	3.49
1.32-1.45	3.48
1.45-1.73	3.48



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# Ratio:Mn\_Zn

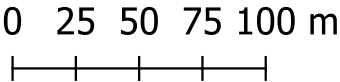


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	0.29	30

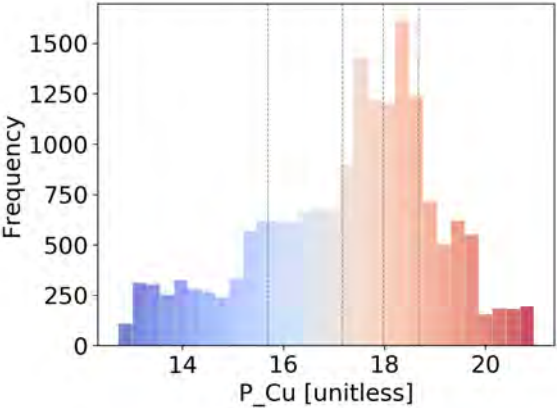
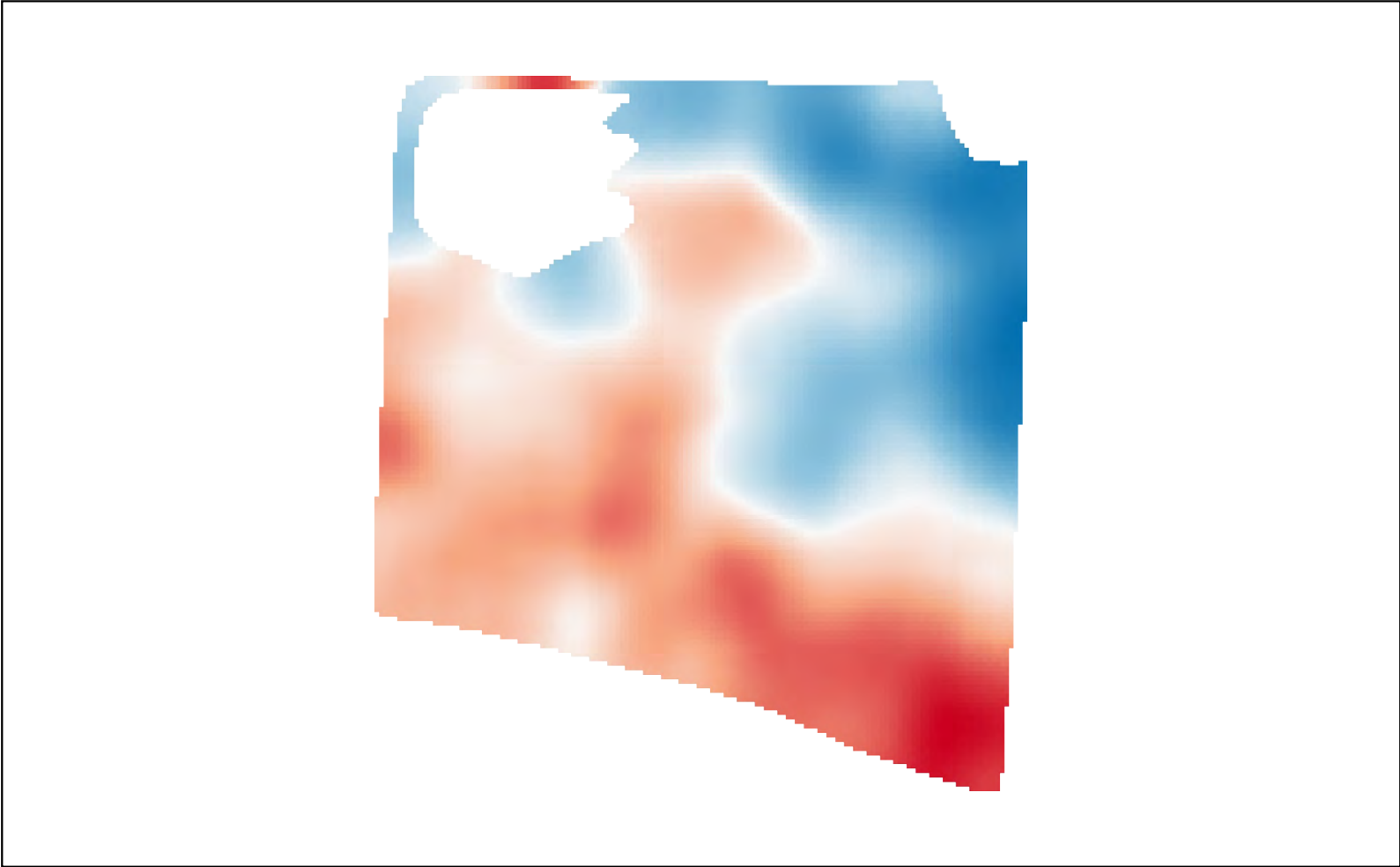
Mn\_Zn [unitless]

- 0.1-0.2
- 0.2-0.3
- 0.3-0.3
- 0.3-0.4
- 0.4-0.6

Values	Acres
0.12-0.21	3.5
0.21-0.27	3.47
0.27-0.31	3.46
0.31-0.35	3.53
0.35-0.58	3.45



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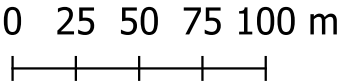


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	17.26	10

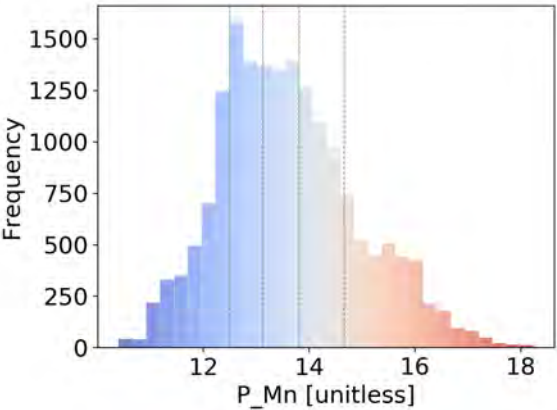
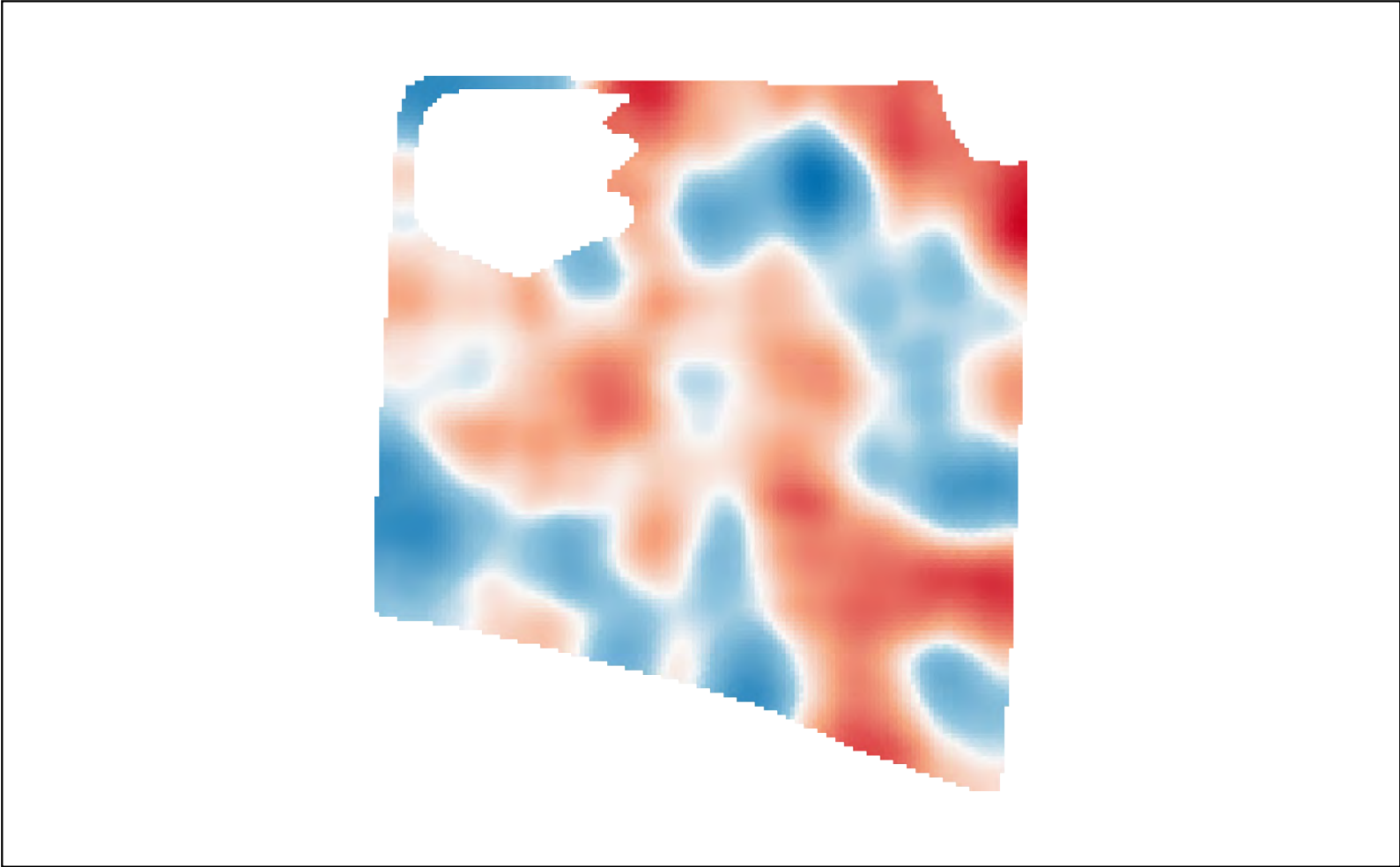
P\_Cu [unitless]

- 12.7-15.7
- 15.7-17.2
- 17.2-18.0
- 18.0-18.7
- 18.7-21.0

Values	Acres
12.73-15.7	3.48
15.7-17.17	3.48
17.17-17.97	3.48
17.97-18.67	3.48
18.67-20.95	3.48

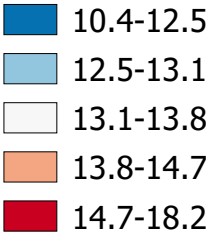


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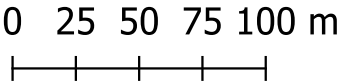


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	13.61	10

P\_Mn [unitless]

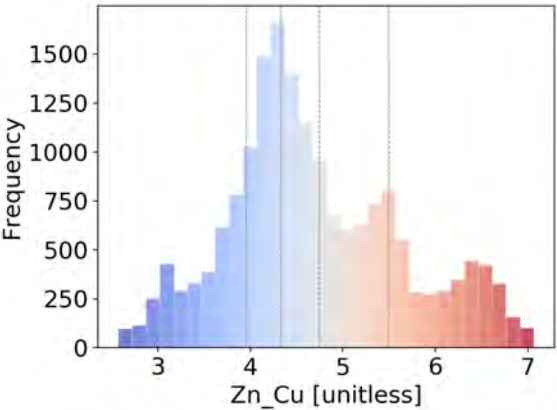
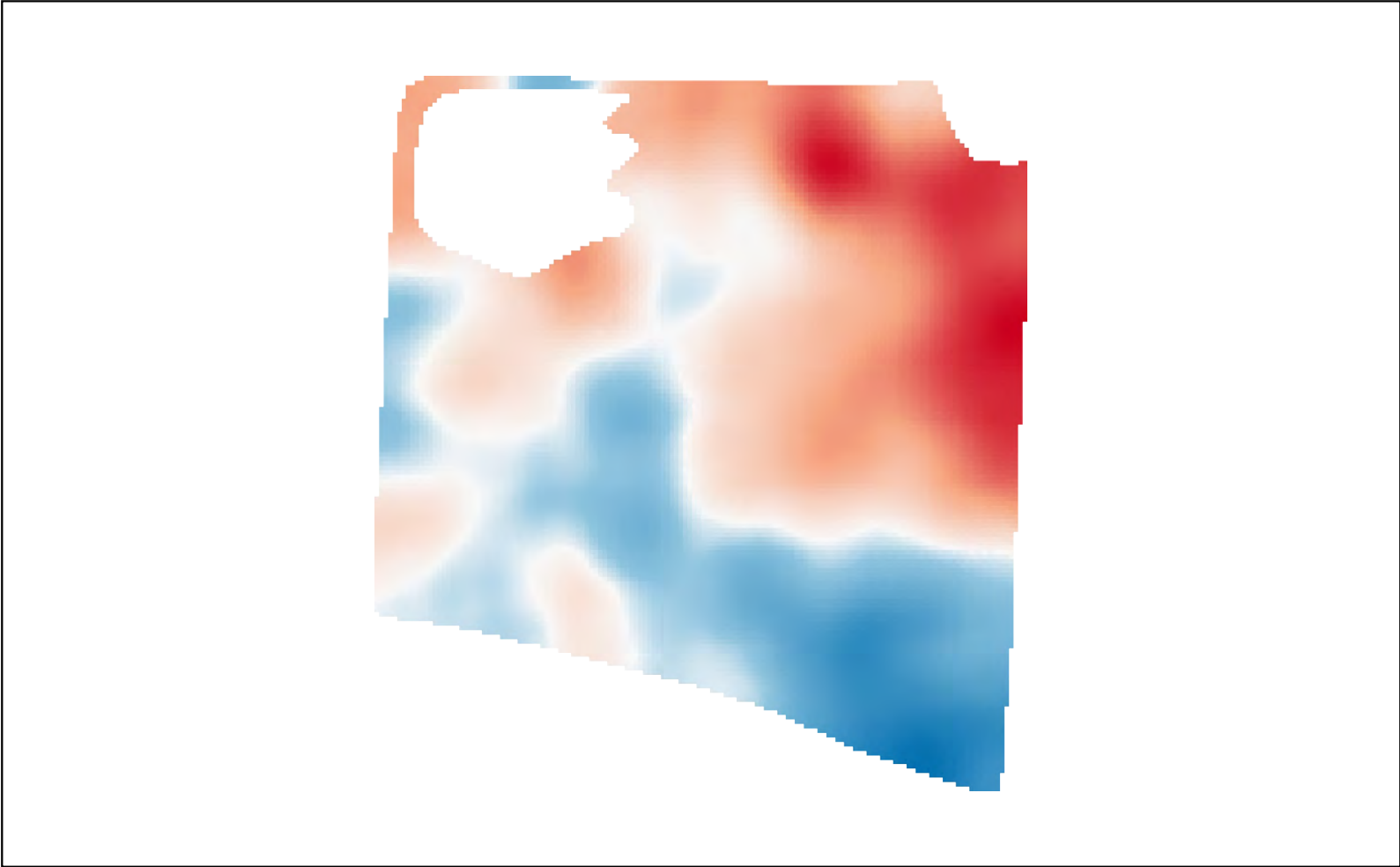


Values	Acres
10.39-12.5	3.48
12.5-13.12	3.47
13.12-13.81	3.49
13.81-14.66	3.48
14.66-18.25	3.48



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# Ratio:Zn\_Cu

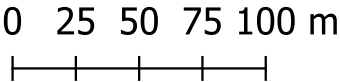


Client	Orchard	Block	Crop	Scan Date	Acres	Mean	CV
WAFruit	Grandview	Grandview	Apples	5/27/21	17.4	4.69	20

Zn\_Cu [unitless]

- 2.6-4.0
- 4.0-4.3
- 4.3-4.7
- 4.7-5.5
- 5.5-7.1

Values	Acres
2.57-3.96	3.48
3.96-4.33	3.48
4.33-4.75	3.48
4.75-5.5	3.48
5.5-7.06	3.48



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