07/18/2025 Tim Cook NTS HQ LAND USE: PADDOCK: SAMPLE REC: EMAIL:

Oats Wilga 07/04/2025 g@gmail.com



CEC TEC Paramagnetism pH-level (1:5 water) Organic Matter (Calc) Organic Carbon (LECO) Conductivity (1:5 water) Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Sodium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA) Manganese (DTPA)	13.29 13.29 100.00 7.30 1.32 0.76 0.04 1.47 3.40 1.90 8.10 1450.00 593.00 182.00 134.00 4.50	% % mS/cm :1 ppm ppm ppm	200 - 1000 6 - 6.8 4 - 10 2 - 5 0.1 - 0.2 5.7 10 - 20 50 - 70 1808.5	% % mS/cm :1 ppm ppm			
Paramagnetism pH-level (1:5 water) Organic Matter (Calc) Organic Carbon (LECO) Conductivity (1:5 water) Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Sodium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCI2) Boron (Hot CaCI2) Iron (DTPA)	100.00 7.30 1.32 0.76 0.04 1.47 3.40 1.90 8.10 1450.00 593.00 182.00 134.00	% mS/cm :1 ppm ppm ppm ppm	6 - 6.8 4 - 10 2 - 5 0.1 - 0.2 5.7 10 - 20 10 - 20 50 - 70	% mS/cm :1 ppm ppm			
pH-level (1:5 water) Organic Matter (Calc) Organic Carbon (LECO) Conductivity (1:5 water) Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Sodium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCI2) Boron (Hot CaCI2)	7.30 1.32 0.76 0.04 1.47 3.40 1.90 8.10 1450.00 593.00 182.00 134.00	% mS/cm :1 ppm ppm ppm ppm	6 - 6.8 4 - 10 2 - 5 0.1 - 0.2 5.7 10 - 20 10 - 20 50 - 70	% mS/cm :1 ppm ppm			
Organic Matter (Calc) Organic Carbon (LECO) Conductivity (1:5 water) Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Sodium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2)	1.32 0.76 0.04 1.47 3.40 1.90 8.10 1450.00 593.00 182.00 134.00	% mS/cm :1 ppm ppm ppm ppm	4 - 10 2 - 5 0.1 - 0.2 5.7 10 - 20 10 - 20 50 - 70	% mS/cm :1 ppm ppm			
Organic Carbon (LECO) Conductivity (1:5 water) Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	0.76 0.04 1.47 3.40 1.90 8.10 1450.00 593.00 182.00 134.00	% mS/cm :1 ppm ppm ppm ppm	2 - 5 0.1 - 0.2 5.7 10 - 20 10 - 20 50 - 70	% mS/cm :1 ppm ppm			
Conductivity (1:5 water) Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	0.04 1.47 3.40 1.90 8.10 1450.00 593.00 182.00 134.00	mS/cm :1 ppm ppm ppm ppm	0.1 - 0.2 5.7 10 - 20 10 - 20 50 - 70	mS/cm :1 ppm ppm			
Ca/Mg Ratio Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	1.47 3.40 1.90 8.10 1450.00 593.00 182.00	ppm ppm ppm ppm ppm	5.7 10 - 20 10 - 20 50 - 70	:1 ppm ppm			
Nitrate-N (KCI) Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	3.40 1.90 8.10 1450.00 593.00 182.00 134.00	ppm ppm ppm ppm	10 - 20 10 - 20 50 - 70	ppm ppm			
Ammonium-N (KCI) Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	1.90 8.10 1450.00 593.00 182.00 134.00	ppm ppm ppm	10 - 20 50 - 70	ppm			1
Phosphorus (Mehlich III) Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	8.10 1450.00 593.00 182.00 134.00	ppm ppm	50 - 70				ļ.
Calcium (Mehlich III) Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	1450.00 593.00 182.00 134.00	ppm		ppm			
Magnesium (Mehlich III) Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	593.00 182.00 134.00	ppm	1808.5				
Potassium (Mehlich III) Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	182.00 134.00			ppm			
Sodium (Mehlich III) Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	134.00	nnm	191.5	ppm			
Sulfur (KCI) Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)		phiii	155 - 259	ppm			
Aluminium Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)	4.50	ppm	15 - 46	ppm			
Silicon (CaCl2) Boron (Hot CaCl2) Iron (DTPA)		ppm	30 - 50	ppm			ļ
Boron (Hot CaCl2) Iron (DTPA)	4.30	ppm	0 - 6	ppm			ļ
Iron (DTPA)	91.00	ppm	100 - 1000	ppm			
` '	0.69	ppm	1 - 3	ppm			ļ
Manganese (DTPA)	30.20	ppm	40 - 200	ppm			
	56.90	ppm	30 - 100	ppm			
Copper (DTPA)	1.10	ppm	2 - 7	ppm			ļ
Zinc (DTPA)	<0.5	ppm	5 - 10	ppm			ļ
Texture Cla	ay Loam						
Colour E	Brownish						ļ
	se Satura		TEQ. 1 5				
(Levels are not relevated) Calcium	54.56	ils with a	68.10	%		L	
				%			
Magnesium Potassium	37.19	%	12.00	%			
	3.51		3.00 - 5.00		****		
Sodium	4.38	%	0.50 - 1.50	%			
Aluminum	0.36	%	0.50	%			
Hydrogen	0.00	%	10.00	%			
Other Bases	0.00	%	5.00	%		NUTDIENT OF STATES	
LAMOTTE/REAMS CATEGORY	YOUR LEVEL		IDEAL LEVEL		LOW	NUTRIENT STATUS MEDIUM	HIGH
	1670.00		1000 - 2000	ppm	2011	EDIOW	THOI
Magnesium	558.00		140 - 285	ppm			
Phosphorus		ppm	7 - 30	ppm			
Potassium	131.00		80 - 100	ppm			
Explanatory Notes The La Mor							

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T.A.E. CATEGORY	YOUR LEVEL		ACCEPTABLE RANGE		DEFICIENT	ACCEPTAI	BLE	EXCESSIVE OR TOXIC
Sodium	165.00	ppm	100 - 500	ppm				
Potassium	772.00	ppm	200 - 2000	ppm				
Calcium	2060.00	ppm	1000 - 10000	ppm				
Magnesium	1460.00	ppm	500 - 5000	ppm				
Phosphorus	171.00	ppm	400 - 1500	ppm				
Aluminium	9940.00	ppm	2000 - 50000	ppm				
Copper	7.40	ppm	20 - 50	ppm				
Iron	13100.00	ppm	1000 - 50000	ppm				
Manganese	1350.00	ppm	200 - 2000	ppm				
Selenium	<0.5	ppm	0.6 - 2	ppm				
Zinc	14.00	ppm	20 - 50	ppm				
Boron	2.30	ppm	2 - 50	ppm				
Silicon	356.00	ppm	1000 - 3000	ppm				
Cobalt	13.00	ppm	2 - 40	ppm				
Molybdenum	0.64	ppm	0.5 - 2	ppm				
Sulfur	<50.0	ppm	100 - 1000	ppm				
Explanatory Notes T.A.	E. (Total Acid Ext	ractable) *Ideal T.A.E. le	vels prov	ided by Environmental An	alysis Laborator	у	

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ALBRECHT CATEGORY	YOUR LEVEL		ACCEPTAB RANGE		DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	20.16						1
TEC	20.16						
Paramagnetism	100.00		200 - 1000				
pH-level (1:5 water)	7.80		6 - 6.8				
Organic Matter (Calc)	1.63	%	4 - 10	%			
Organic Carbon (LECO)	0.93	%	2 - 5	%			
Conductivity (1:5 water)	0.06	mS/cm	0.1 - 0.2	mS/cm			
Ca/Mg Ratio	2.46	:1	5.7	:1			
Nitrate-N (KCI)	2.60	ppm	10 - 20	ppm			
Ammonium-N (KCI)	1.00	ppm	10 - 20	ppm	Extremely Low		
Phosphorus (Mehlich III)	16.90	ppm	50 - 70	ppm			
Calcium (Mehlich III)	2540.00	ppm	2743.5	ppm			
Magnesium (Mehlich III)	619.00	ppm	290.5	ppm			
Potassium (Mehlich III)	331.00	ppm	236 - 393	ppm			
Sodium (Mehlich III)	319.00	ppm	23 - 70	ppm			
Sulfur (KCI)	2.90	ppm	30 - 50	ppm	Extremely Low		
Aluminium	5.60	ppm	0 - 9	ppm			
Silicon (CaCl2)	119.00	ppm	100 - 1000	ppm			
Boron (Hot CaCl2)	0.95	ppm	1 - 3	ppm			
Iron (DTPA)	11.90	ppm	40 - 200	ppm			
Manganese (DTPA)	28.60	ppm	30 - 100	ppm			
Copper (DTPA)	1.10	ppm	2 - 7	ppm			
Zinc (DTPA)	<0.5	ppm	5 - 10	ppm	1		
Texture	Clay Loam				1		
Colour	Brownish				1		
(Levels are no	Base Satura t relevant in so		TEC below 5)				
Calcium	63.01	%	68.10	%			
Magnesium	25.59	%	12.00	%			
Potassium	4.21	%	3.00 - 5.00	%			
Sodium	6.88	%	0.50 - 1.50	%			
Aluminum	0.31	%	0.50	%			
Hydrogen	0.00	%	10.00	%	1		
Other Bases	0.00	%	5.00	%	1		
LAMOTTE/REAMS CATEGORY	YOUR LEVEL		IDEAL LEVEL		LOW	NUTRIENT STATUS MEDIUM	HIGH
Calcium	2590.00	ppm	1000 - 2000	ppm			
Magnesium	507.00	ppm	140 - 285	ppm			
Phosphorus	2.40	ppm	7 - 30	ppm			
Potassium	197.00	ppm	80 - 100	ppm			
Explanatory Notes The	La Motte test gi	ves an in	dication of the am	nount of	plant available nutrients a	at the time of sampling.	

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T.A.E. CATEGORY	YOUR LEVEL		ACCEPTABLE RANGE		DEFICIENT	ACCEPTABL	.E	EXCESSIVE OR TOXIC
Sodium	336.00	ppm	100 - 500	ppm				
Potassium	1440.00	ppm	200 - 2000	ppm				
Calcium	3500.00	ppm	1000 - 10000	ppm				
Magnesium	2470.00	ppm	500 - 5000	ppm				
Phosphorus	136.00	ppm	400 - 1500	ppm				
Aluminium	12200.00	ppm	2000 - 50000	ppm				
Copper	9.90	ppm	20 - 50	ppm				
Iron	11400.00	ppm	1000 - 50000	ppm				
Manganese	1470.00	ppm	200 - 2000	ppm				
Selenium	<0.5	ppm	0.6 - 2	ppm				
Zinc	22.00	ppm	20 - 50	ppm				
Boron	3.00	ppm	2 - 50	ppm				
Silicon	266.00	ppm	1000 - 3000	ppm				
Cobalt	9.40	ppm	2 - 40	ppm				
Molybdenum	0.33	ppm	0.5 - 2	ppm				
Sulfur	69.70	ppm	100 - 1000	ppm				
Explanatory Notes T.A.	E. (Total Acid Ex	tractable) *Ideal T.A.E. lev	vels prov	ided by Environmental An	alysis Laboratory		

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ALBRECHT CATEGORY	YOUR LEVEL		ACCEPTAE RANGE		DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	22.74						
TEC	22.74		/				
Paramagnetism	100.00		200 - 1000				
pH-level (1:5 water)	8.70		6 - 6.8			l	
Organic Matter (Calc)	1.56	%	4 - 10	%			
Organic Carbon (LECO)	0.89	%	2 - 5	%			
Conductivity (1:5 water)	0.27	mS/cm	0.1 - 0.2	mS/cm			
Ca/Mg Ratio	2.97	:1	5.7	:1			
Nitrate-N (KCI)	66.50	ppm	10 - 20	ppm			
Ammonium-N (KCI)	1.60	ppm	10 - 20	ppm			
Phosphorus (Mehlich III)	14.60	ppm	50 - 70	ppm			
Calcium (Mehlich III)	3010.00	ppm	3095	ppm			
Magnesium (Mehlich III)	609.00	ppm	327.5	ppm			
Potassium (Mehlich III)	316.00	ppm	266 - 443	ppm			
Sodium (Mehlich III)	403.00	ppm	26 - 78	ppm			
Sulfur (KCI)	21.00	ppm	30 - 50	ppm			
Aluminium	4.60	ppm	0 - 10	ppm			
Silicon (CaCl2)	60.00	ppm	100 - 1000	ppm			
Boron (Hot CaCl2)	1.30	ppm	1 - 3	ppm			
Iron (DTPA)	8.30	ppm	40 - 200	ppm			
Manganese (DTPA)	5.80	ppm	30 - 100	ppm			
Copper (DTPA)	0.90	ppm	2 - 7	ppm			
Zinc (DTPA)	<0.5	ppm	5 - 10	ppm			
Texture	Clay Loam						
Colour	Brownish						
(Lovels are no	Base Satura t relevant in soi		TEC bolow 5)				
Calcium	66.19	%	68.10	%			
Magnesium	22.32	%	12.00	%			
Potassium	3.56	%	3.00 - 5.00	%			
Sodium	7.71	%	0.50 - 1.50	%		T	
Aluminum	0.22	%	0.50	%			
Hydrogen	0.00	%	10.00	%			
Other Bases	0.00	%	5.00	%			
LAMOTTE/REAMS	YOUR		IDEAL			NUTRIENT STATUS	
CATEGORY	LEVEL		LEVEL		LOW	MEDIUM	HIGH
Calcium	3990.00	ppm	1000 - 2000	ppm			
Magnesium	561.00	ppm	140 - 285	ppm			
Phosphorus	2.60	ppm	7 - 30	ppm			
Potassium	200.00	ppm	80 - 100	ppm		<u> </u>	
Explanatory Notes The	La Motte test giv	es an in	dication of the ar	nount of	plant available nutrients	at the time of sampling.	

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T.A.E. CATEGORY	YOUR LEVEL		ACCEPTABLE RANGE		DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
Sodium	522.00	ppm	100 - 500	ppm			
Potassium	1460.00	ppm	200 - 2000	ppm			
Calcium	5090.00	ppm	1000 - 10000	ppm			
Magnesium	2670.00	ppm	500 - 5000	ppm			
Phosphorus	93.30	ppm	400 - 1500	ppm			
Aluminium	13300.00	ppm	2000 - 50000	ppm			
Copper	9.40	ppm	20 - 50	ppm			
Iron	12800.00	ppm	1000 - 50000	ppm			
Manganese	807.00	ppm	200 - 2000	ppm			
Selenium	<0.5	ppm	0.6 - 2	ppm			
Zinc	21.00	ppm	20 - 50	ppm		I	
Boron	5.60	ppm	2 - 50	ppm			
Silicon	212.00	ppm	1000 - 3000	ppm	_		
Cobalt	10.00	ppm	2 - 40	ppm			
Molybdenum	0.24	ppm	0.5 - 2	ppm			
Sulfur	130.00	ppm	100 - 1000	ppm			
Explanatory Notes T.A.	E. (Total Acid Ex	tractable) *Ideal T.A.E. le	vels prov	ided by Environmental An	alysis Laboratory	

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ALBRECHT CATEGORY	YOUR LEVEL		ACCEPTABI RANGE	LE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	19.3					ĺ	
TEC	19.3						
Paramagnetism	90.00		200 - 1000				
pH-level (1:5 water)	7.90		6 - 6.8				
Organic Matter (Calc)	2.01	%	4 - 10	%			
Organic Carbon (LECO)	1.15	%	2 - 5	%			
Conductivity (1:5 water)	0.05	mS/cm	0.1 - 0.2 r	mS/cm			
Ca/Mg Ratio	3.65	:1	5.7	:1			
Nitrate-N (KCI)	3.50	ppm	10 - 20	ppm			
Ammonium-N (KCI)	2.00	ppm	10 - 20	ppm			
Phosphorus (Mehlich III)	11.90	ppm	50 - 70	ppm			
Calcium (Mehlich III)	2810.00	ppm	2627	ppm			
Magnesium (Mehlich III)	462.00	ppm	278	ppm		<u> </u>	
Potassium (Mehlich III)	328.00	ppm	226 - 376	ppm			
Sodium (Mehlich III)	116.00	ppm	22 - 67	ppm			
Sulfur (KCI)	6.00	ppm	30 - 50	ppm			
Aluminium	5.20	ppm	0 - 9	ppm			
Silicon (CaCl2)	79.00	ppm	100 - 1000	ppm			
Boron (Hot CaCl2)	1.10	ppm	1-3	ppm			
Iron (DTPA)	10.80	ppm	40 - 200	ppm			
Manganese (DTPA)	17.20	ppm	30 - 100	ppm			
Copper (DTPA)	0.80	ppm	2 - 7	ppm			
Zinc (DTPA)	<0.5	ppm	5 - 10	ppm			
Texture	Clay Loam						
Colour	Brownish						
(Levels are no	Base Satura t relevant in so		TEC below 5)				
Calcium	72.79	%	68.10	%			
Magnesium	19.94	%	12.00	%			
Potassium	4.36	%	3.00 - 5.00	%			
Sodium	2.61	%	0.50 - 1.50	%			
Aluminum	0.30	%	0.50	%			
Hydrogen	0.00	%	10.00	%			
Other Bases	0.00	%	5.00	%			
LAMOTTE/REAMS CATEGORY	YOUR LEVEL		IDEAL LEVEL		LOW	NUTRIENT STATUS MEDIUM	HIGH
Calcium	3090.00	ppm	1000 - 2000	ppm			
Magnesium	385.00	ppm	140 - 285	ppm			
Phosphorus	1.60	ppm	7 - 30	ppm			
Potassium	202.00	ppm	80 - 100	ppm			
Explanatory Notes The	La Motte test giv	ves an in	dication of the amo	ount of	plant available nutrients a	at the time of sampling.	1

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YOUR LEVEL		ACCEPTABLE RANGE		DEFICIENT	ACCEPT	ABLE	EXCESSIVE OR TOXIC
176.00	ppm	100 - 500	ppm				
2050.00	ppm	200 - 2000	ppm				
4200.00	ppm	1000 - 10000	ppm				
2650.00	ppm	500 - 5000	ppm				
119.00	ppm	400 - 1500	ppm				
15300.00	ppm	2000 - 50000	ppm				
9.90	ppm	20 - 50	ppm				
11700.00	ppm	1000 - 50000	ppm				
1280.00	ppm	200 - 2000	ppm				
<0.5	ppm	0.6 - 2	ppm				
25.00	ppm	20 - 50	ppm				
4.40	ppm	2 - 50	ppm		ļ.		
623.00	ppm	1000 - 3000	ppm				
8.60	ppm	2 - 40	ppm				
0.34	ppm	0.5 - 2	ppm				
107.00	ppm	100 - 1000	ppm				
	LEVEL 176.00 2050.00 4200.00 4200.00 119.00 15300.00 9.90 11700.00 1280.00 <0.5 25.00 4.40 623.00 8.60 0.34	LEVEL 176.00 ppm 2050.00 ppm 4200.00 ppm 2650.00 ppm 119.00 ppm 15300.00 ppm 9.90 ppm	LEVEL RANGE 176.00 ppm 100 - 500 2050.00 ppm 200 - 2000 4200.00 ppm 1000 - 10000 2650.00 ppm 500 - 5000 119.00 ppm 400 - 1500 15300.00 ppm 2000 - 50000 9.90 ppm 1000 - 50000 11700.00 ppm 200 - 2000 <0.5	LEVEL RANGE 176.00 ppm 100 - 500 ppm 2050.00 ppm 200 - 2000 ppm 4200.00 ppm 1000 - 10000 ppm 2650.00 ppm 500 - 5000 ppm 119.00 ppm 400 - 1500 ppm 15300.00 ppm 2000 - 50000 ppm 9.90 ppm 20 - 50 ppm 11700.00 ppm 1000 - 50000 ppm 4280.00 ppm 200 - 2000 ppm 25.00 ppm 20 - 50 ppm 4.40 ppm 2 - 50 ppm 623.00 ppm 1000 - 3000 ppm 8.60 ppm 2 - 40 ppm 0.34 ppm 0.5 - 2 ppm	LEVEL RANGE DEFICIENT 176.00 ppm 100 - 500 ppm 100 - 500 ppm 2050.00 ppm 200 - 2000 ppm 1000 - 10000 ppm 4200.00 ppm 500 - 5000 ppm 119.00 ppm 119.00 ppm 400 - 1500 ppm 15300.00 ppm 9.90 ppm 200 - 50000 ppm 11700.00 ppm 11700.00 ppm 1000 - 50000 ppm 1280.00 ppm <0.5 ppm	LEVEL RANGE DEFICIENT ACCEPT. 176.00 ppm 100 - 500 ppm 2050.00 ppm 200 - 2000 ppm 2050.00 ppm 200 - 2000 ppm 4200.00 ppm 2000 - 50000 ppm 119.00 ppm 400 - 1500 ppm 400 - 1500 ppm 15300.00 ppm 200 - 50000 ppm 20 - 50 ppm 11700.00 ppm 1000 - 50000 ppm 200 - 2000 ppm <0.5 ppm	LEVEL RANGE DEFICIENT ACCEPTABLE 176.00 ppm 100 - 500 ppm 100 - 500 ppm 2050.00 ppm 200 - 2000 ppm 4200.00 ppm 4200.00 ppm 500 - 5000 ppm 119.00 ppm 400 - 1500 ppm 15300.00 ppm 2000 - 50000 ppm 9.90 ppm 20 - 50 ppm 11700.00 ppm 1000 - 50000 ppm 20.5 ppm 0.6 - 2 ppm 25.00 ppm 20 - 50 ppm 4.40 ppm 2 - 50 ppm 623.00 ppm 1000 - 3000 ppm 8.60 ppm 2 - 40 ppm 0.34 ppm 0.5 - 2 ppm

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ALBRECHT CATEGORY	YOUR LEVEL		ACCEPTABLE RANGE	DEFICIENT	ACCEPTABLE	EXCESSIVE OR TOXIC
CEC	23.04					
TEC	23.04			4		
Paramagnetism	90.00		200 - 1000			
pH-level (1:5 water)	8.40		6 - 6.8			
Organic Matter (Calc)	1.89	%	4 - 10 %			
Organic Carbon (LECO)	1.08	%	2 - 5 %			
Conductivity (1:5 water)	0.14	mS/cm	0.1 - 0.2 mS/cn	1		
Ca/Mg Ratio	3.57	:1	5.7 :1			
Nitrate-N (KCI)	20.40	ppm	10 - 20 ppm			
Ammonium-N (KCI)	1.00	ppm	10 - 20 ppm	Extremely Low		
Phosphorus (Mehlich III)	30.40	ppm	50 - 70 ppm			
Calcium (Mehlich III)	3310.00	ppm	3136 ppm			
Magnesium (Mehlich III)	557.00	ppm	332 ppm			
Potassium (Mehlich III)	544.00	ppm	270 - 449 ppm			
Sodium (Mehlich III)	90.00	ppm	26 - 79 ppm			
Sulfur (KCI)	8.40	ppm	30 - 50 ppm			
Aluminium	5.20	ppm	0 - 10 ppm			
Silicon (CaCl2)	103.00	ppm	100 - 1000 ppm			
Boron (Hot CaCl2)	0.74	ppm	1 - 3 ppm			
Iron (DTPA)	4.70	ppm	40 - 200 ppm	1		
Manganese (DTPA)	8.30	ppm	30 - 100 ppm			
Copper (DTPA)	0.80	ppm	2 - 7 ppm			
Zinc (DTPA)	<0.5	ppm	5 - 10 ppm	1		
Texture	Clay Loam			1		
Colour	Brownish			1		
(Levels are no	Base Satura t relevant in soil		TEC below 5)			
Calcium	71.85	%	68.10 %			
Magnesium	20.15	%	12.00 %			
Potassium	6.06	%	3.00 - 5.00 %			
Sodium	1.70	%	0.50 - 1.50 %			
Aluminum	0.25	%	0.50 %			
Hydrogen	0.00	%	10.00 %	1		
Other Bases	0.00	%	5.00 %	1		
LAMOTTE/REAMS CATEGORY	YOUR LEVEL		IDEAL LEVEL	LOW	NUTRIENT STATUS MEDIUM	HIGH
Calcium	41.00	ppm	1000 - 2000 ppm	Extremely Low		
Magnesium		ppm	140 - 285 ppm	Extremely Low		
Phosphorus		ppm	7 - 30 ppm	_		
Potassium		ppm	80 - 100 ppm	_		
				f plant available nutrients	at the time of sampling	

07/18/2025 Tim Cook NTS HQ

LAND USE: PADDOCK: SAMPLE REC: EMAIL: Oats
Back of Rays
07/04/2025
g@gmail.com



T.A.E. CATEGORY	YOUR LEVEL		ACCEPTABLE RANGE		DEFICIENT	ACCEPTABL	.E	EXCESSIVE OR TOXIC
Sodium	164.00	ppm	100 - 500	ppm				
Potassium	2710.00	ppm	200 - 2000	ppm				
Calcium	5230.00	ppm	1000 - 10000	ppm				
Magnesium	3250.00	ppm	500 - 5000	ppm				
Phosphorus	141.00	ppm	400 - 1500	ppm				
Aluminium	15600.00	ppm	2000 - 50000	ppm				
Copper	11.00	ppm	20 - 50	ppm				
Iron	11900.00	ppm	1000 - 50000	ppm				
Manganese	1510.00	ppm	200 - 2000	ppm				
Selenium	<0.5	ppm	0.6 - 2	ppm				
Zinc	23.00	ppm	20 - 50	ppm				
Boron	5.20	ppm	2 - 50	ppm				
Silicon	571.00	ppm	1000 - 3000	ppm				
Cobalt	10.00	ppm	2 - 40	ppm				
Molybdenum	<0.2	ppm	0.5 - 2	ppm				
Sulfur	111.00	ppm	100 - 1000	ppm				
Explanatory Notes T.A.	E. (Total Acid Ext	tractable) *Ideal T.A.E. le	vels prov	ided by Environmental An	alysis Laboratory		