Birdie's Nest Δ6

Lab 3-Sili-Closeness

Ceramic
Materials
Workshop

Birdie's Nest

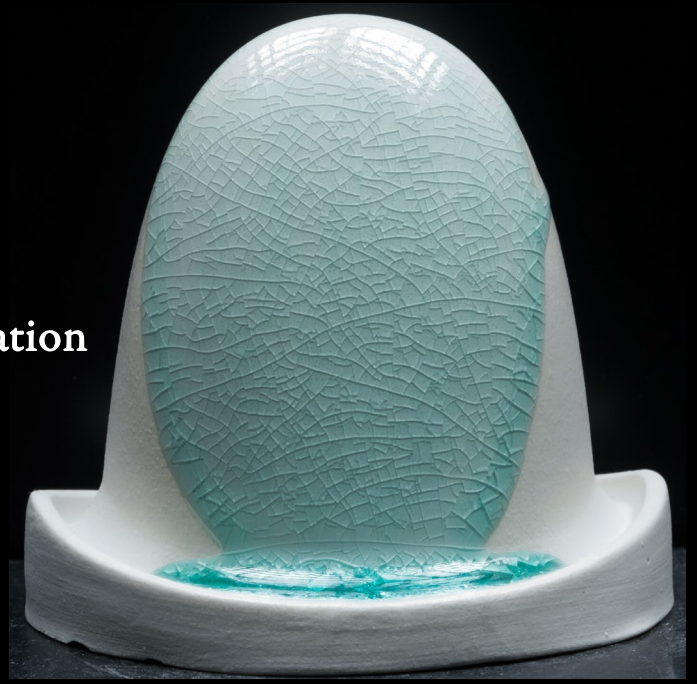
Original

070722-1

Neph Sy	24.36
Dolomite	20.28
EPK	5.92
Flint	17.84
3134	29.59
Bentonite	2.01
Copper Carbonate	0.50
Water	60

Oxidation

1-3 Second Dip



2-3 Second Dips

Reduction

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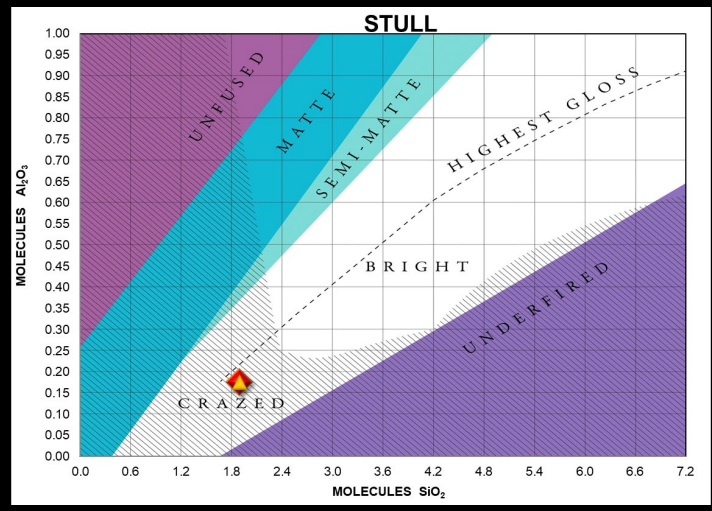
Ceramic Materials Workshop

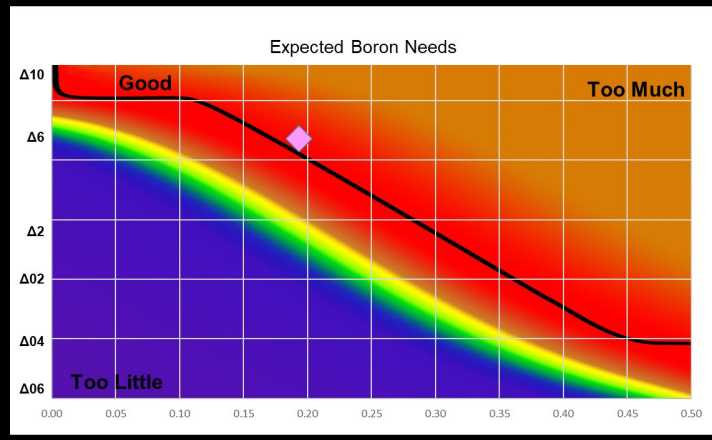
UMF

SiO_2:Al_2O_3 Ratio 10.78 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 1.91	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.20	Al_2O_3 0.18	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

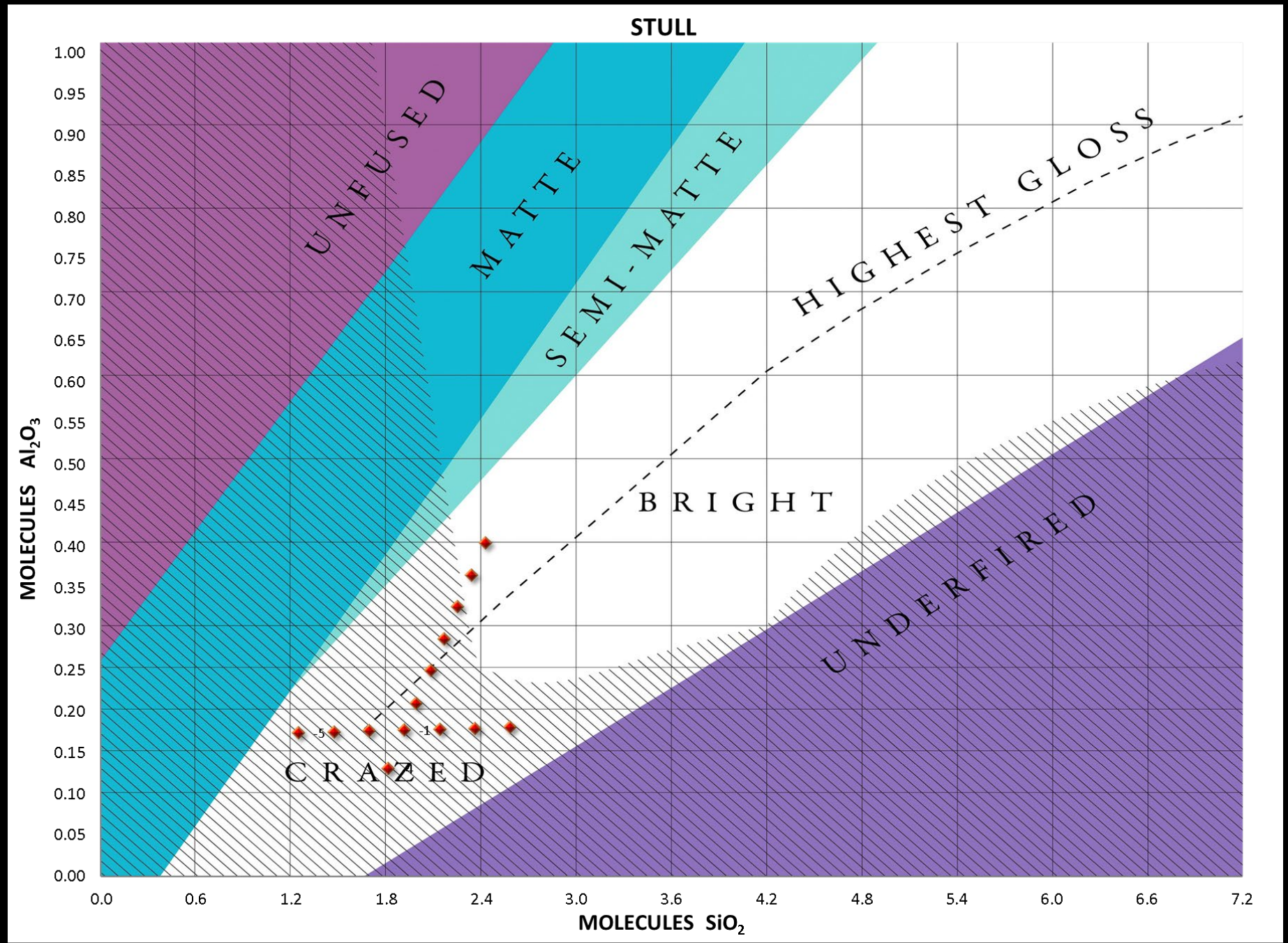


EUMF

SiO_2:Al_2O_3 Ratio 10.78 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.90	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



UMF



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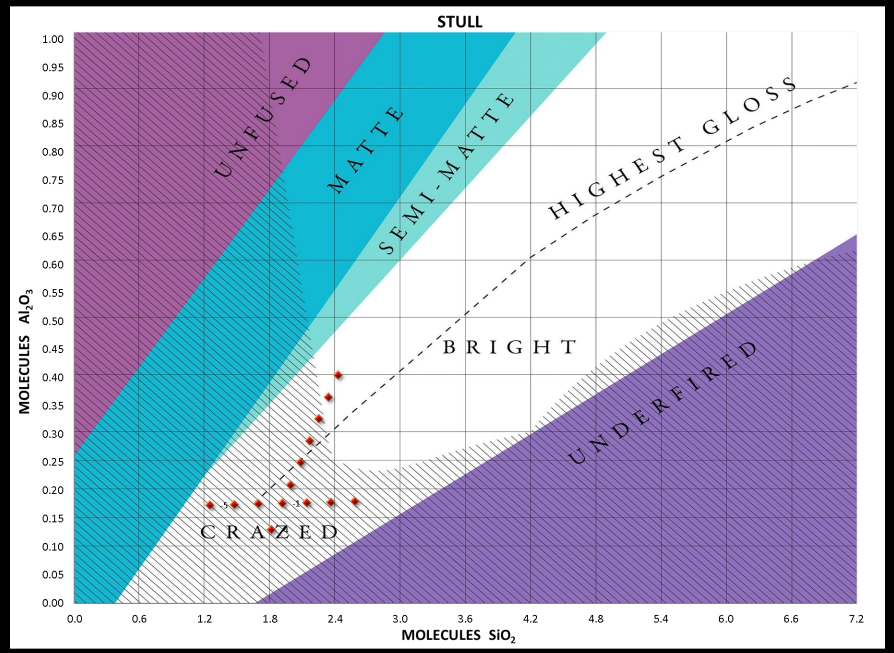
Full Test-Oxidation-1-3 Second Dip



Indicates correct position of Alumina samples

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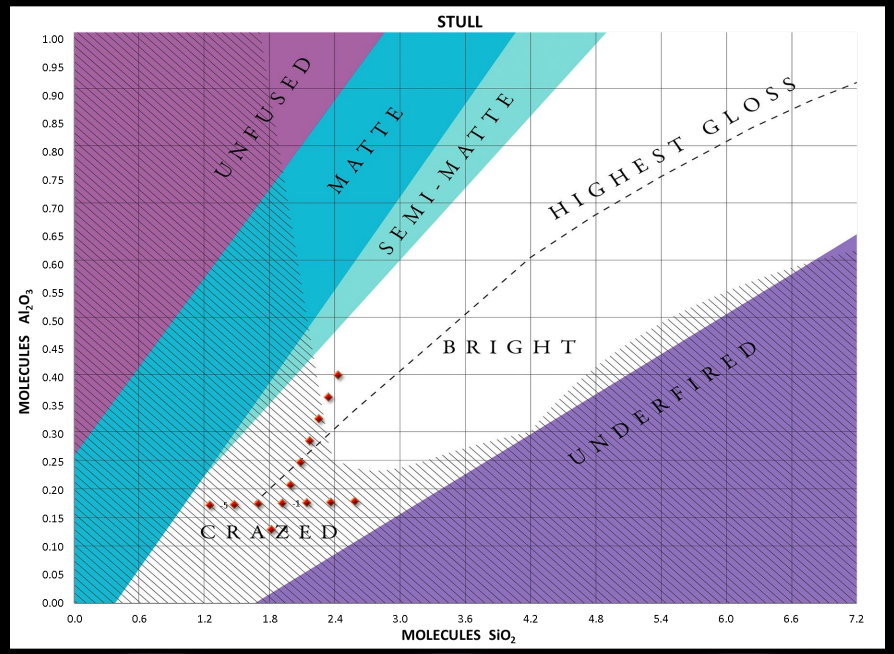
Full Test-Oxidation-2-3 Second Dips

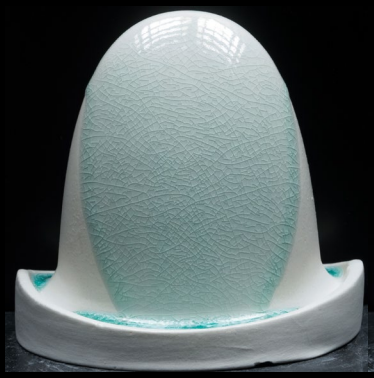


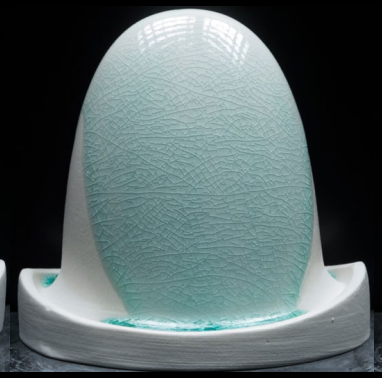
Indicates correct position of Alumina samples

Ceramic Materials Workshop

Silica Variations-Oxidation

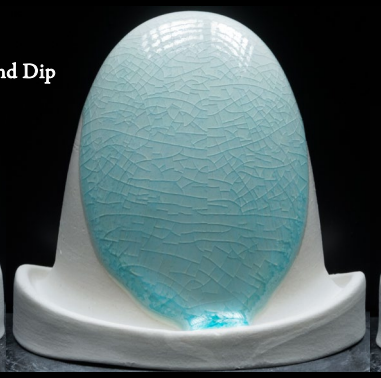
1-3 Second Dip


070722-5


070722-24


070722-25

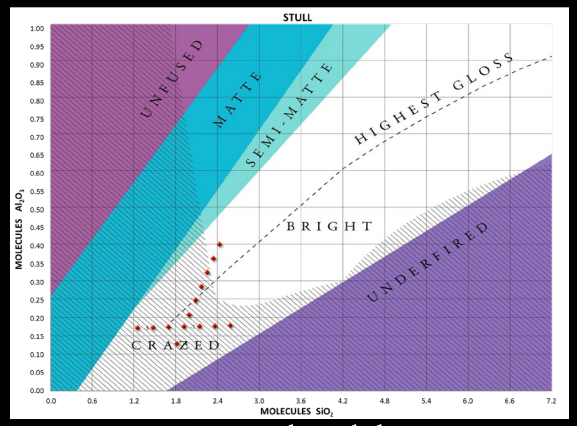

070722-1


070722-26


070722-27


070722-28

2-3 Second Dips



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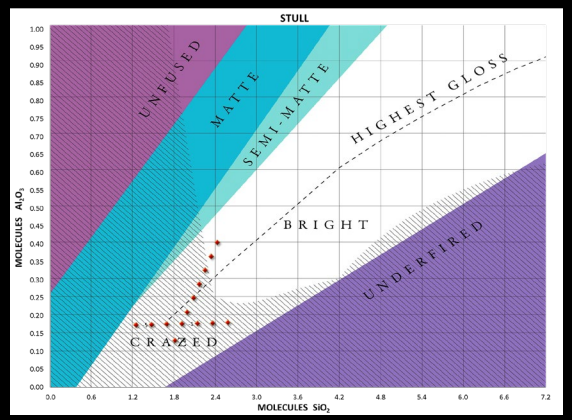
Alumina Variations-Oxidation

1-3 Second Dip

070722-4 070722-1 070722-29 070722-30 070722-31 070722-32 070722-33 070722-34

2-3 Second Dips



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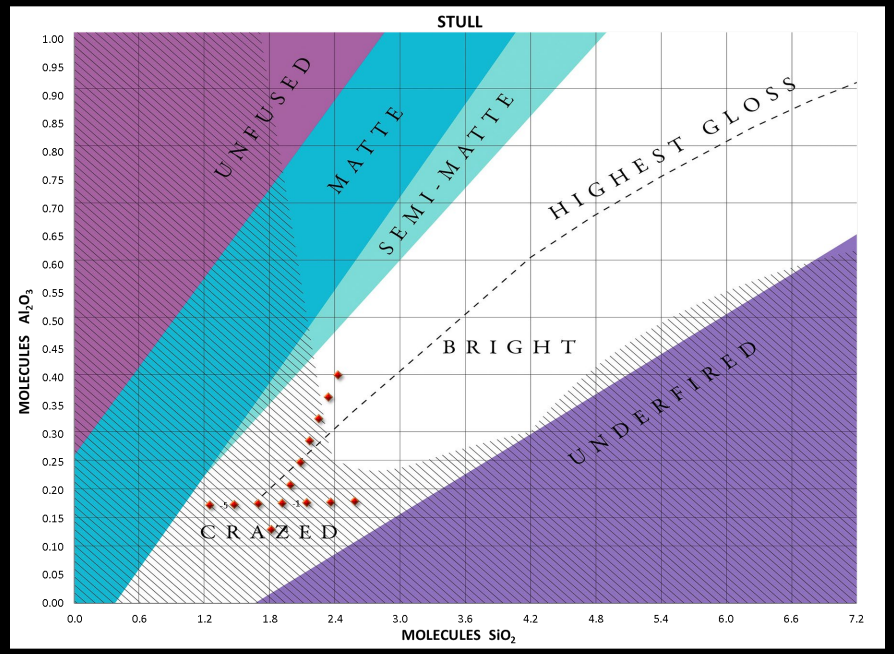
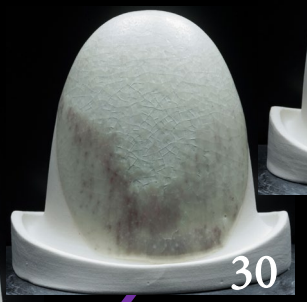
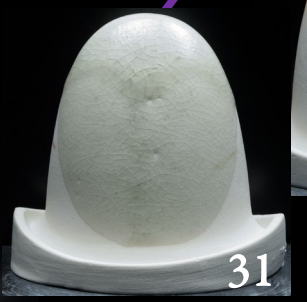
Full Test-Reduction-1-3 Second Dip



Indicates correct position of Alumina samples





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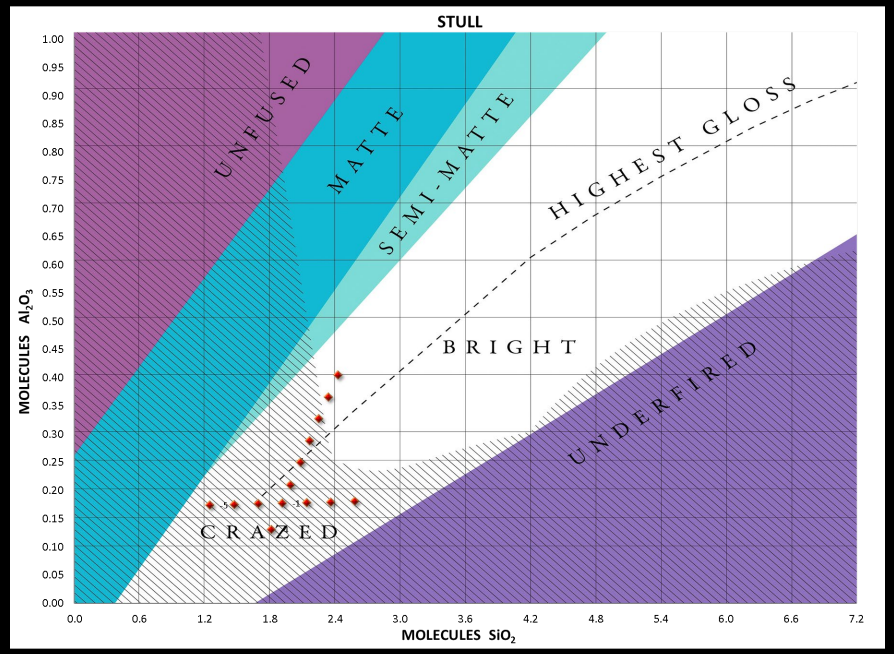
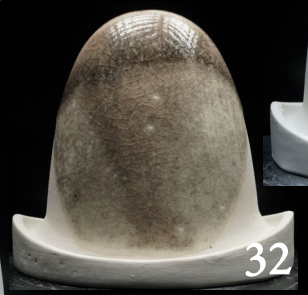
Full Test-Reduction-2-3 Second Dips



Indicates correct position of Alumina samples



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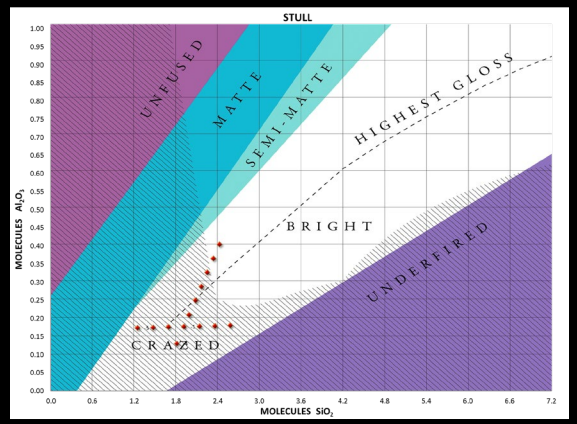
Silica Variations-Reduction

1-3 Second Dip

070722-5 | 070722-24 | 070722-25 | 070722-1 | 070722-26 | 070722-27 | 070722-28

2-3 Second Dips



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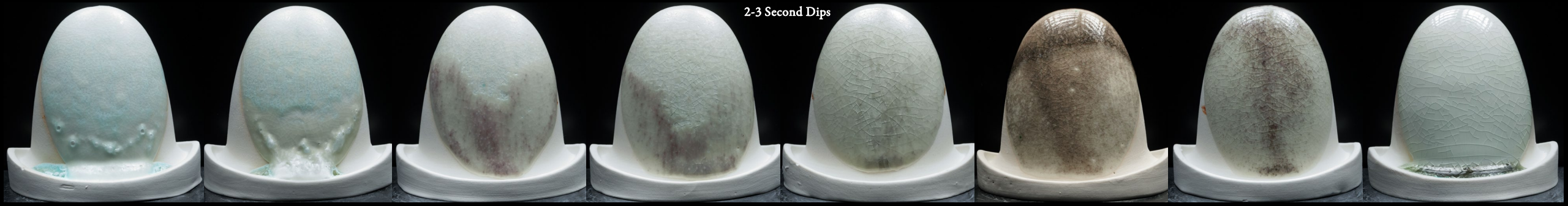
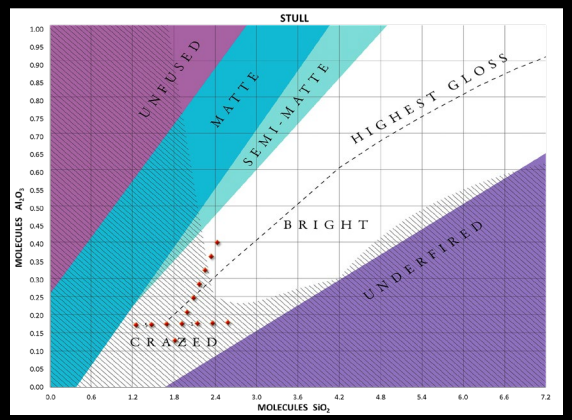
Alumina Variations-Reduction

1-3 Second Dip

070722-4 070722-1 070722-29 070722-30 070722-31 070722-32 070722-33 070722-34

2-3 Second Dips





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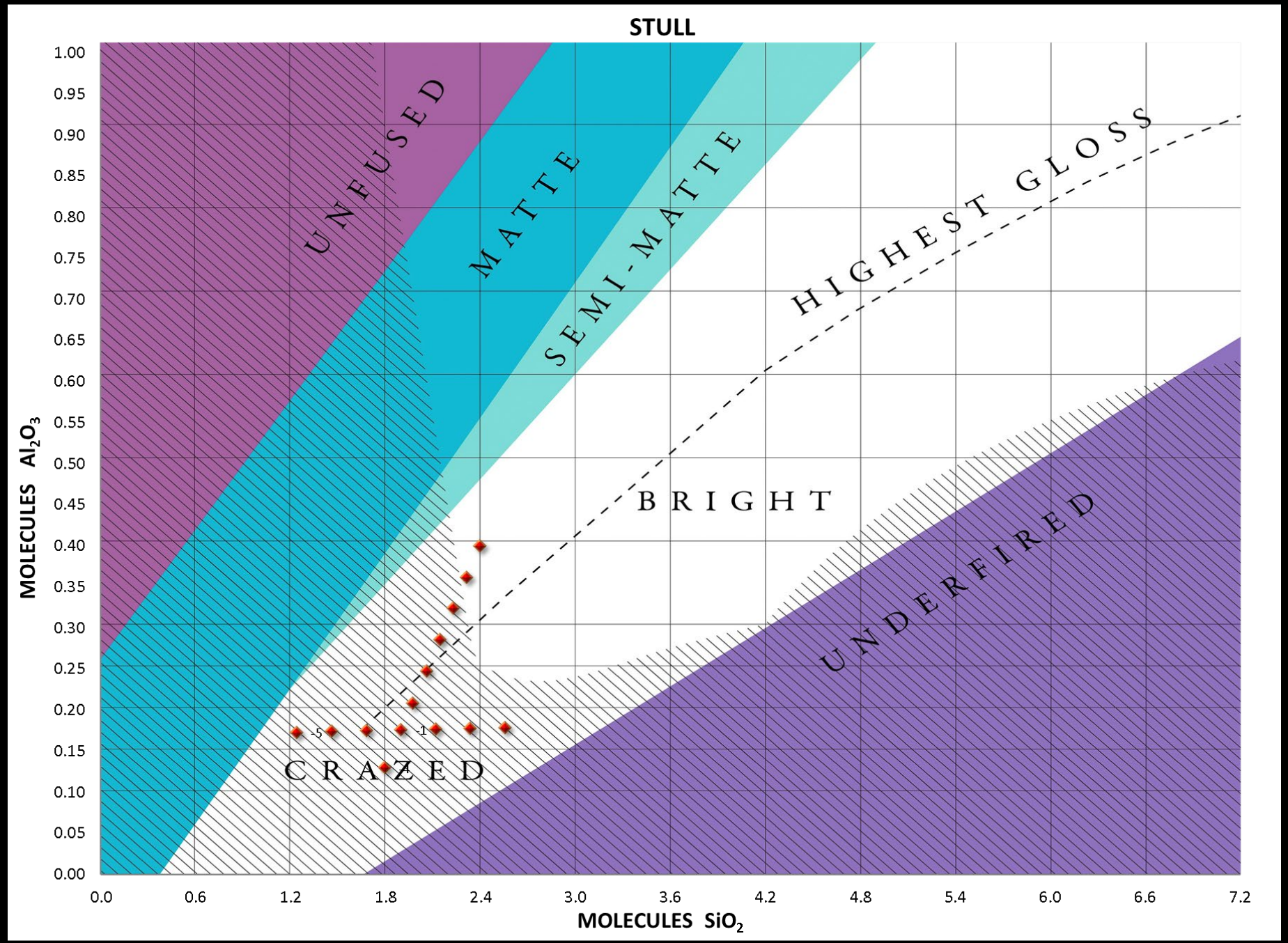
EUMF



Ceramic Materials Workshop

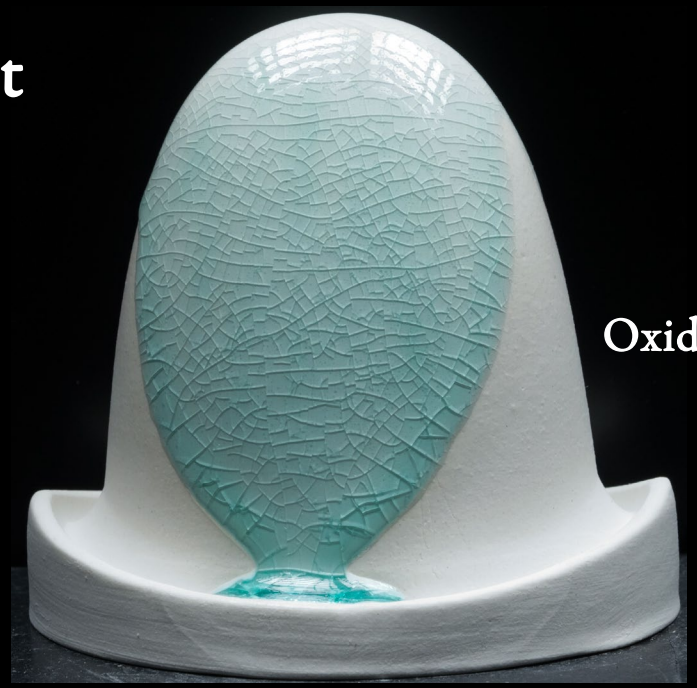
Birdie's Nest

Original

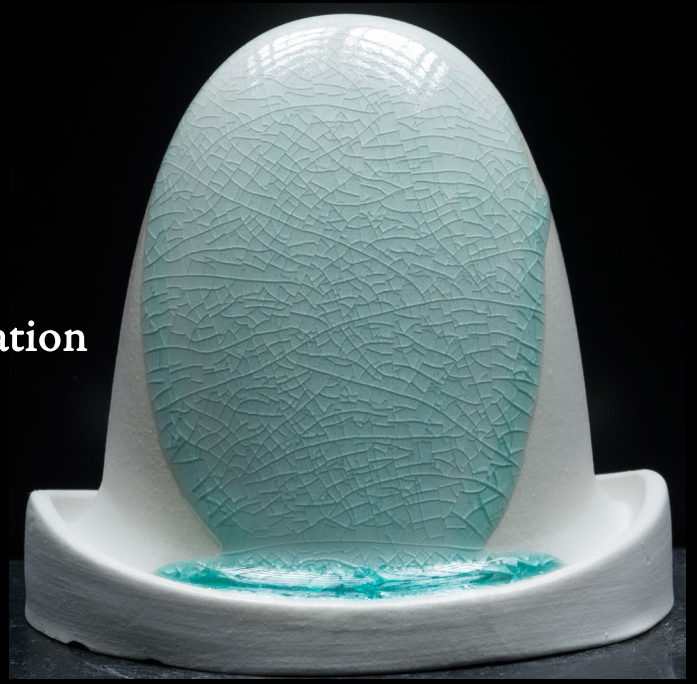
070722-1

Neph Sy	24.36
Dolomite	20.28
EPK	5.92
Flint	17.84
3134	29.59
Bentonite	2.01
Copper Carbonate	0.50
Water	60

Oxidation



1-3 Second Dip



2-3 Second Dips

Reduction

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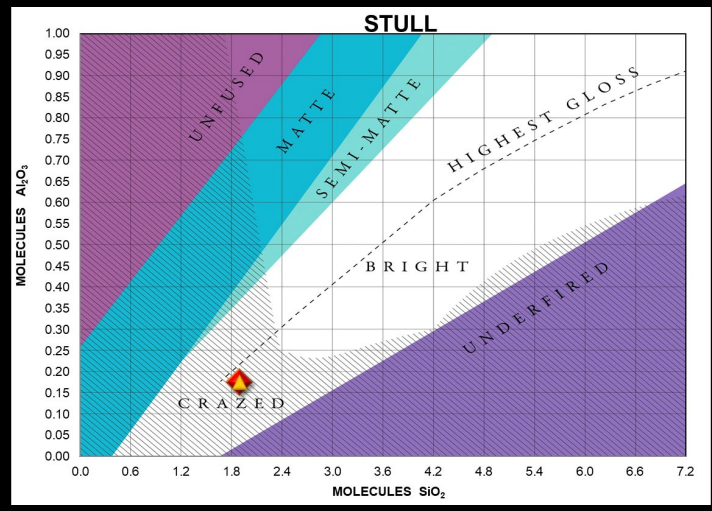
Ceramic Materials Workshop

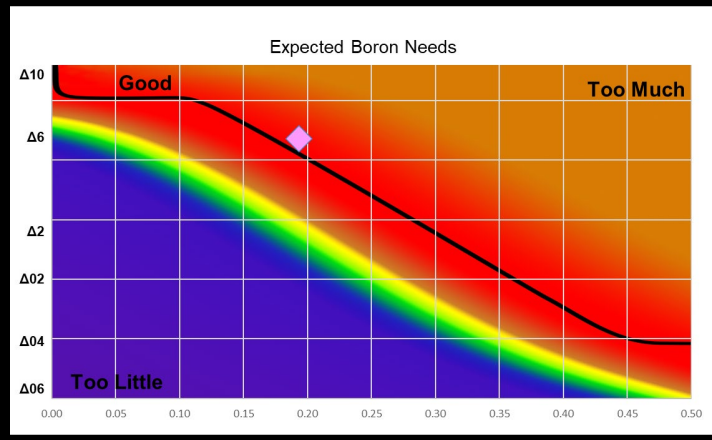
UMF

SiO_2:Al_2O_3 Ratio 10.78 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 1.91	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.20	Al_2O_3 0.18	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 10.78 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.90	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



Birdie's Nest

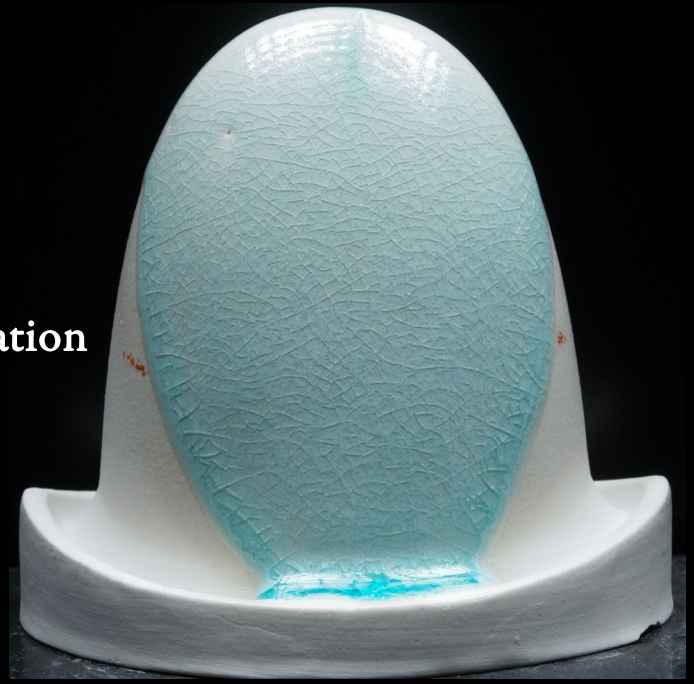
w/o Kaolin

070722-4

Neph Sy	25.93
Dolomite	21.59
EPK	
Flint	18.98
3134 (Frit)	31.49
Bentonite	2.01
Copper Carbonate	0.50
Water	70

Oxidation

1-3 Second Dip



2-3 Second Dips

Reduction

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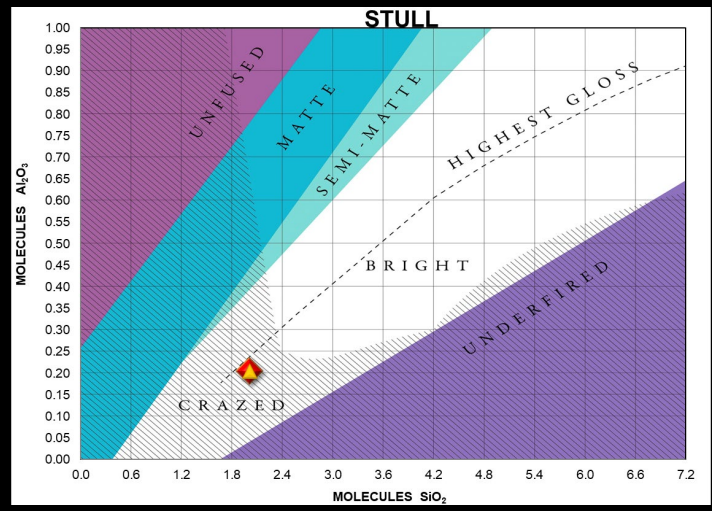
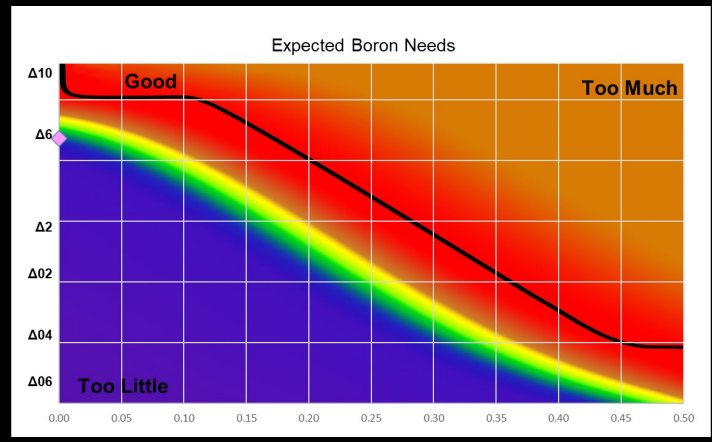
UMF

SiO_2:Al_2O_3 Ratio 9.81 :1		Alkali Metals 0.19		Alkaline Earths 0.81	
SiO_2 2.04	Collective "Al_2O_3" 0.21	Na_2O 0.15	K_2O 0.04	MgO 0.40	CaO 0.40
B_2O_3	Al_2O_3 0.21	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 9.81 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO_2 2.01	Collective "Al_2O_3" 0.21	Na_2O 0.15	K_2O 0.04	MgO 0.40	CaO 0.40
B_2O_3	Al_2O_3 0.20	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



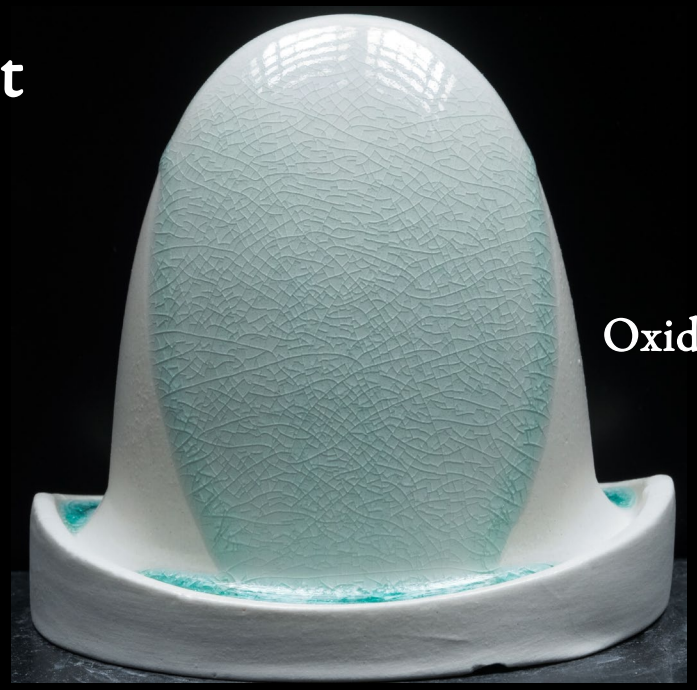
Birdie's Nest

w/o Silica

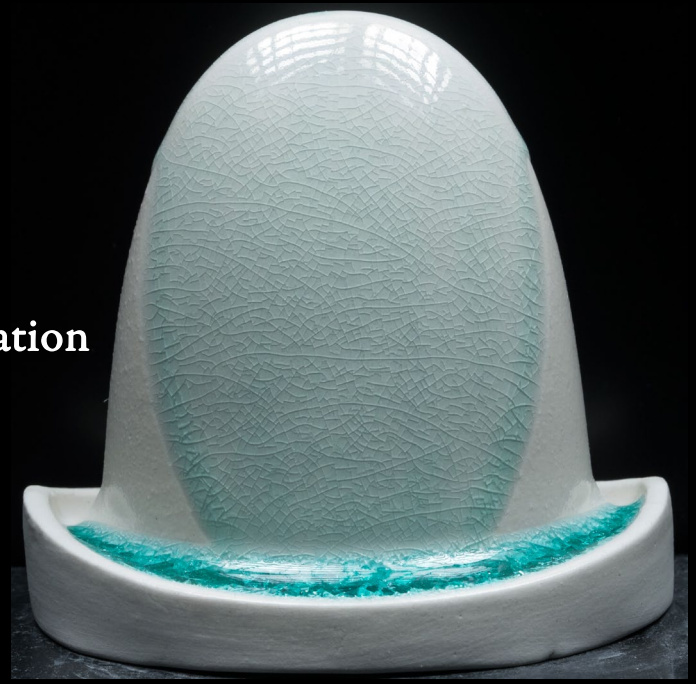
070722-5

Neph Sy	29.78
Dolomite	24.80
EPK	7.24
Flint	
3134	36.17
Bentonite	2.01
Copper Carbonate	0.50
Water	65

Oxidation

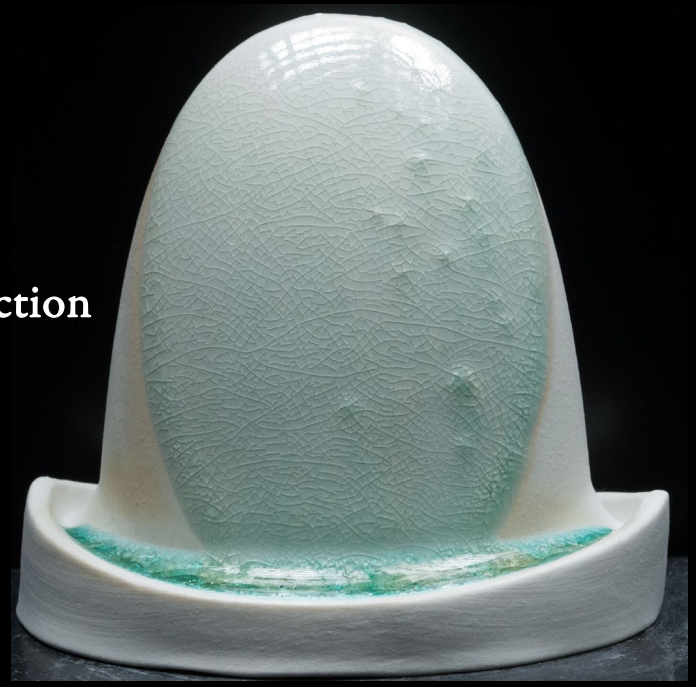


1-3 Second Dip



2-3 Second Dips

Reduction



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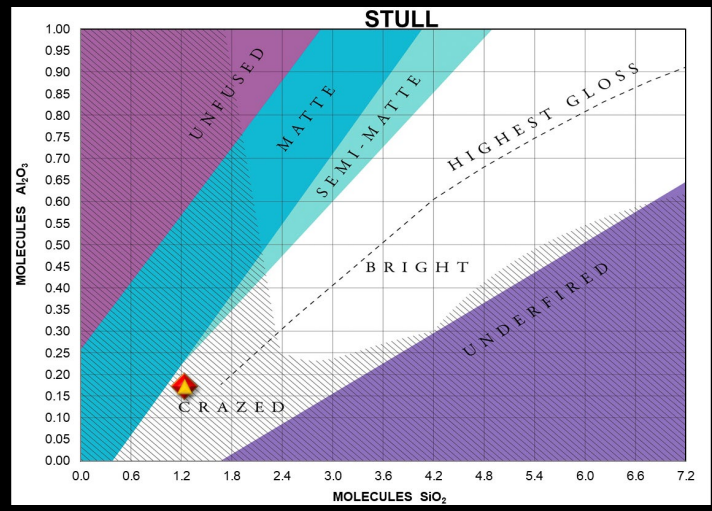
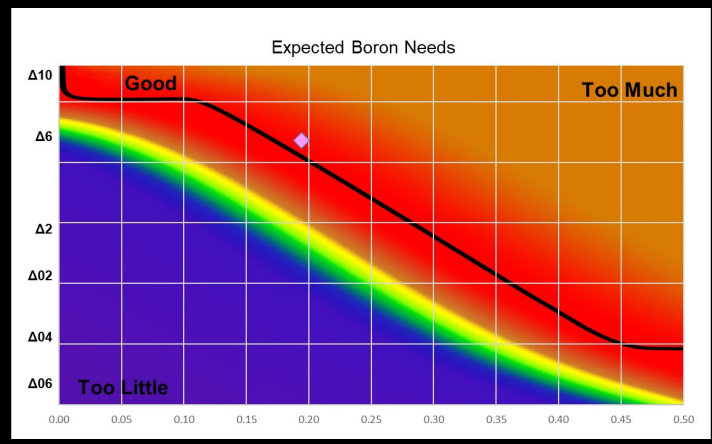
UMF

SiO_2:Al_2O_3 Ratio 7.16 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 1.25	Collective "Al_2O_3" 0.17	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.20	Al_2O_3 0.17	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 7.16 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.24	Collective "Al_2O_3" 0.17	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.17	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

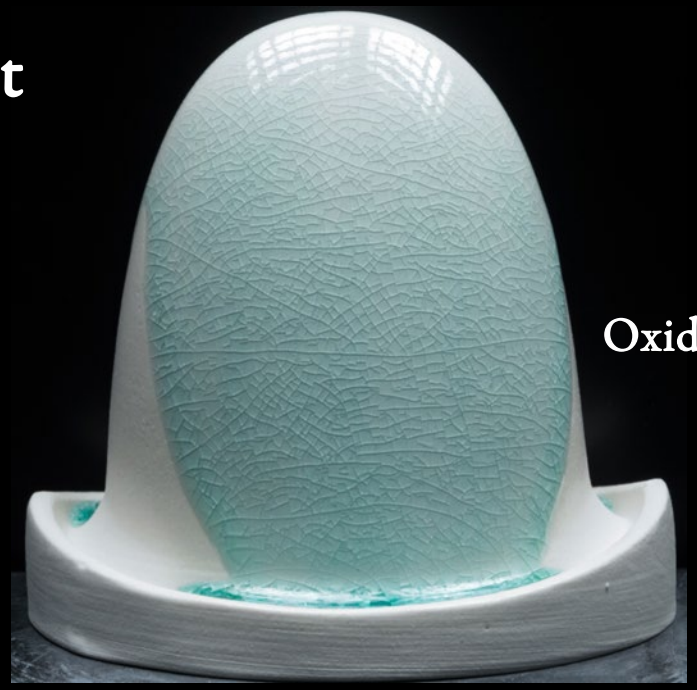


Birdie's Nest

Mapping
Silica 2
070722-24

Neph Sy	27.73
Dolomite	23.09
EPK	6.74
Flint	6.76
3134	33.67
Bentonite	2.01
Copper Carbonate	0.50
Water	70

Oxidation



1-3 Second Dip

2-3 Second Dips

Reduction

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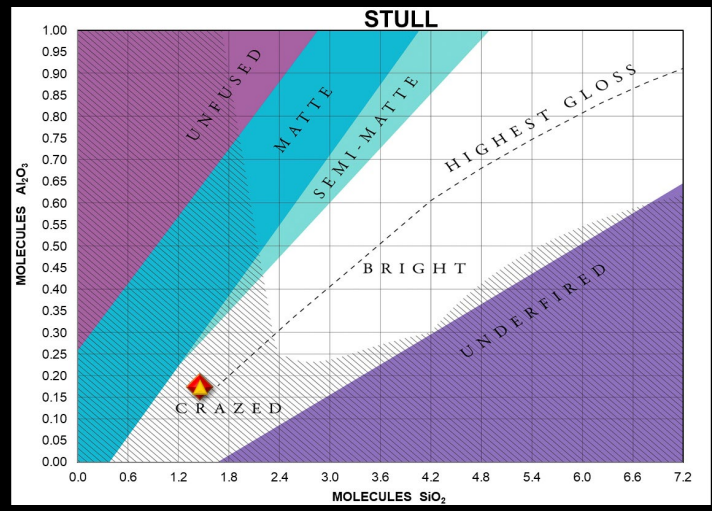
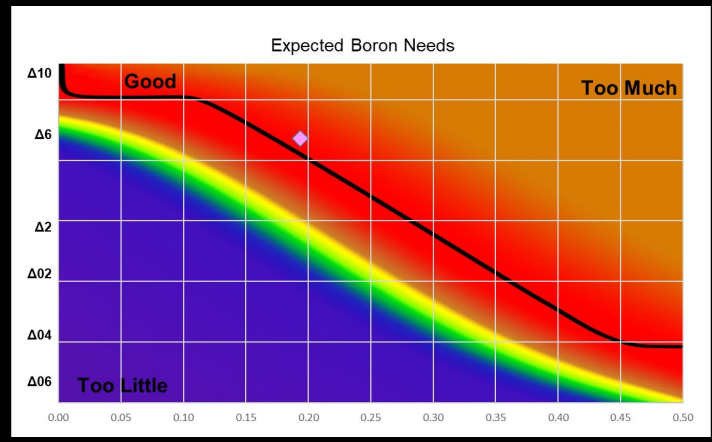
UMF

SiO_2:Al_2O_3 Ratio 8.38 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 1.47	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.20	Al_2O_3 0.17	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 8.38 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.46	Collective "Al_2O_3" 0.17	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.17	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

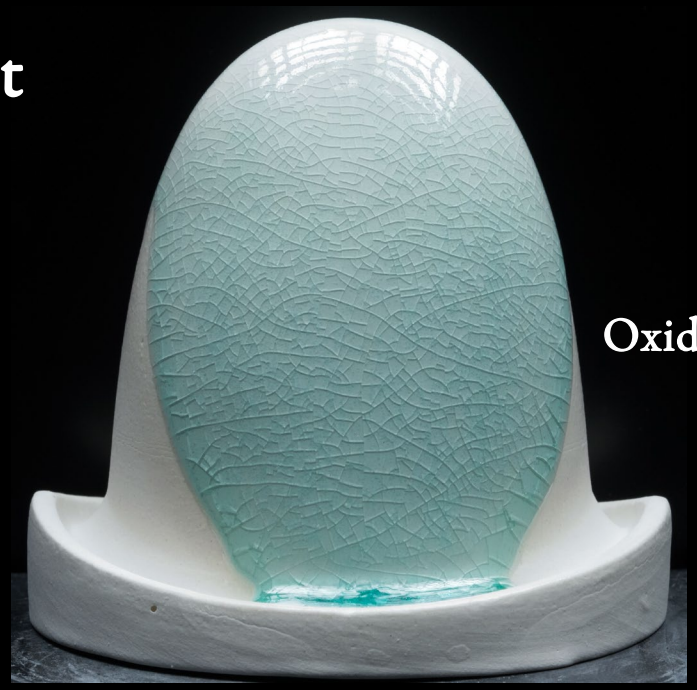


Birdie's Nest

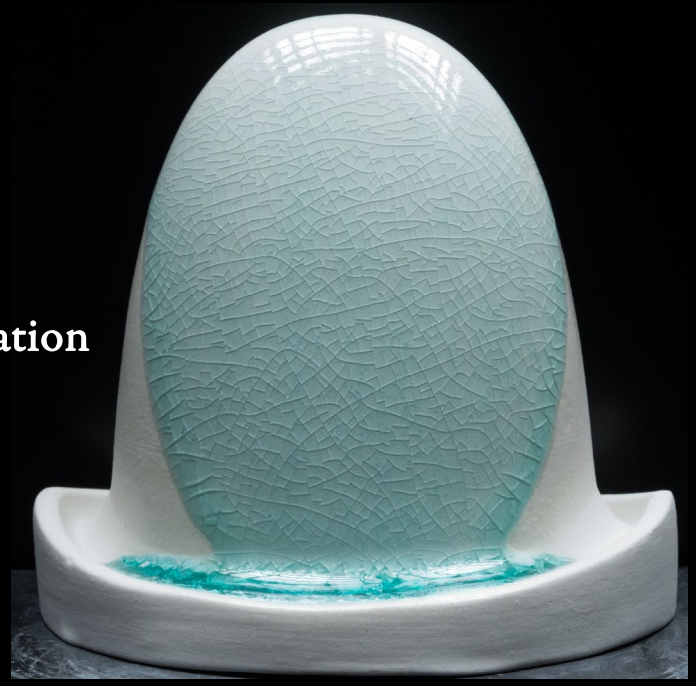
Mapping
Silica 3
070722-25

Neph Sy	25.94
Dolomite	21.60
EPK	6.30
Flint	12.66
3134	31.50
Bentonite	2.01
Copper Carbonate	0.50
Water	70

Oxidation



1-3 Second Dip



2-3 Second Dips

Reduction

Ceramic Materials Workshop

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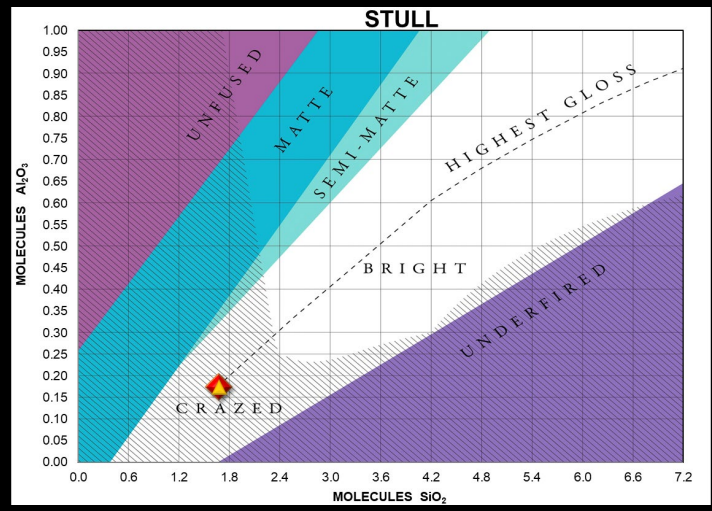
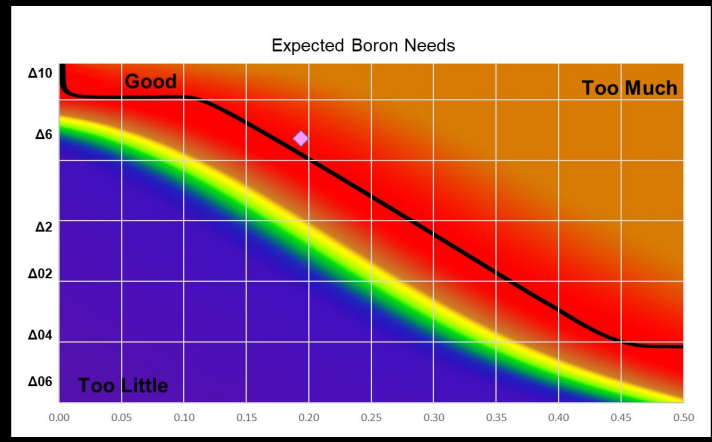
UMF

SiO_2:Al_2O_3 Ratio 9.59 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 1.69	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.20	Al_2O_3 0.18	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 9.59 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.68	Collective "Al_2O_3" 0.17	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.17	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



Birdie's Nest

Mapping
Silica 5
070722-26

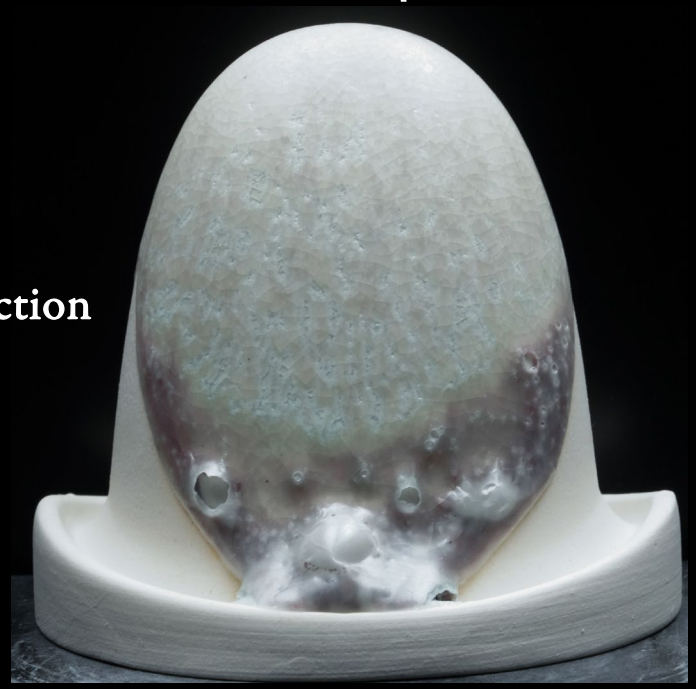
Neph Sy	22.97
Dolomite	19.12
EPK	5.58
Flint	22.42
3134	27.89
Bentonite	2.01
Copper Carbonate	0.50
Water	60

Oxidation

1-3 Second Dip

2-3 Second Dips

Reduction



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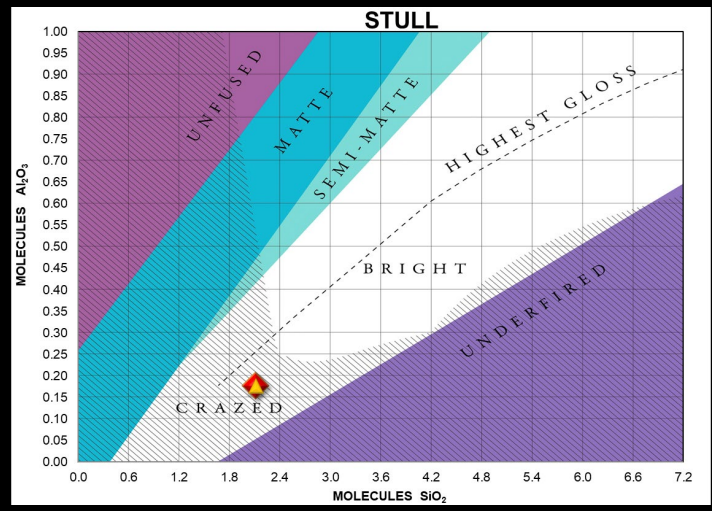
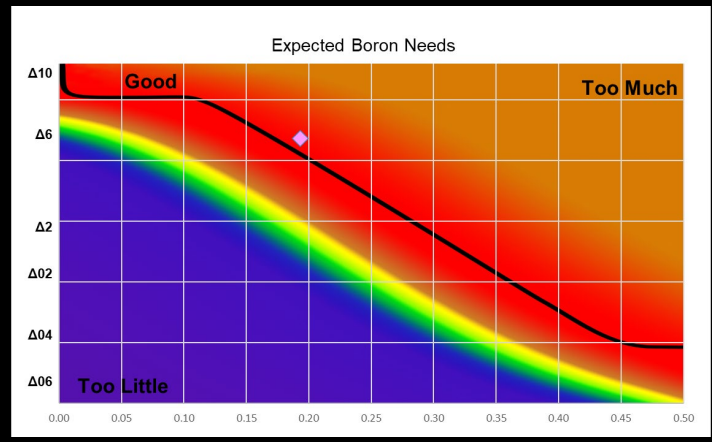
UMF

SiO_2:Al_2O_3 Ratio 11.95 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.14	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 11.95 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.12	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



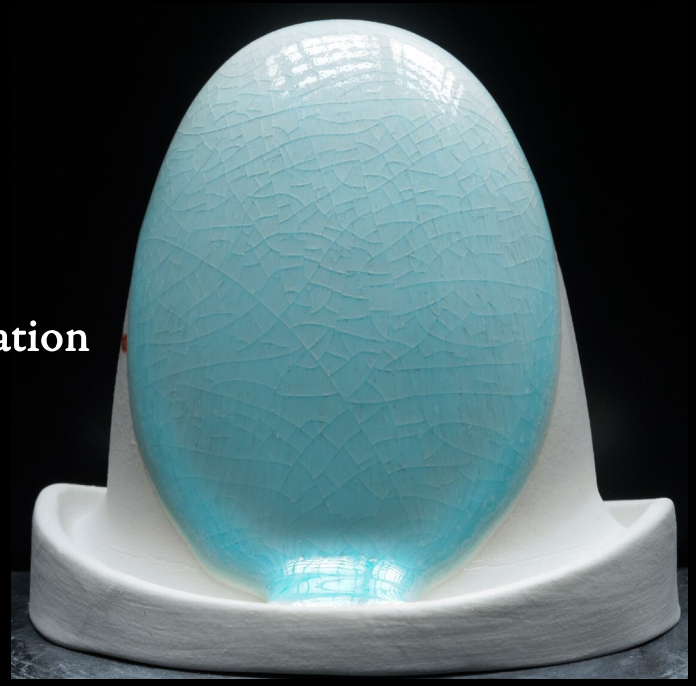
Birdie's Nest

Mapping
Silica 6
070722-27

Neph Sy	21.73
Dolomite	18.09
EPK	5.28
Flint	26.51
3134	26.39
Bentonite	2.01
Copper Carbonate	0.50
Water	60

Oxidation

1-3 Second Dip



2-3 Second Dips

Reduction

Ceramic Materials Workshop

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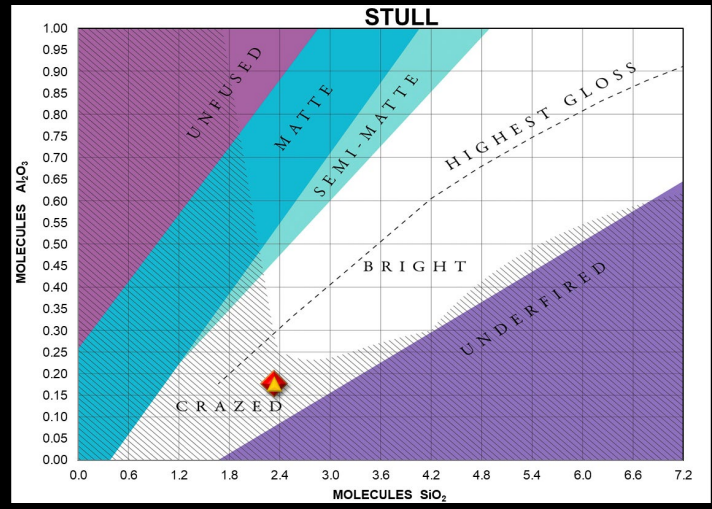
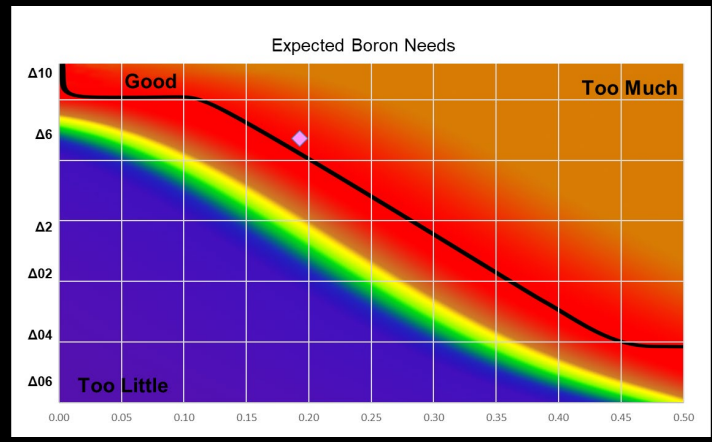
UMF

SiO_2:Al_2O_3 Ratio 13.11 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.36	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 13.11 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.33	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



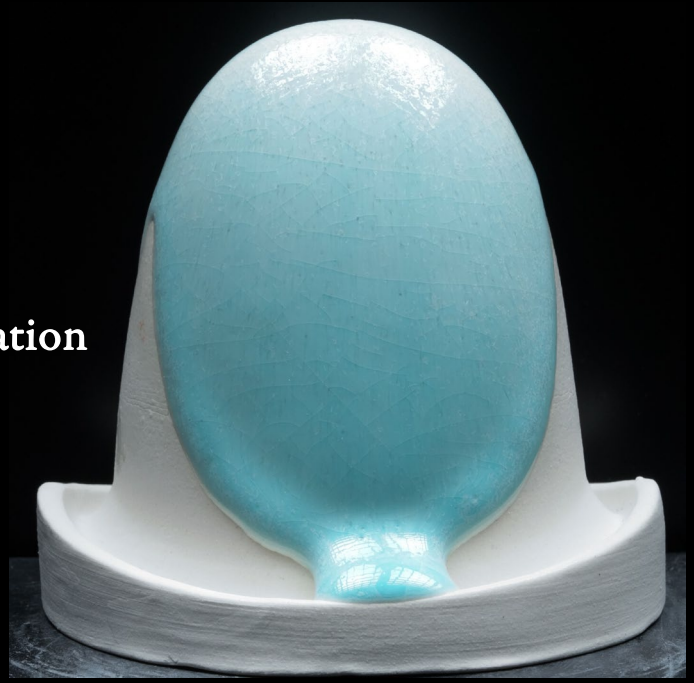
Birdie's Nest

Mapping
Silica 7
070722-28

Neph Sy	20.61
Dolomite	17.16
EPK	5.01
Flint	30.17
3134	25.03
Bentonite	2.01
Copper Carbonate	0.50
Water	70

1-3 Second Dip

Oxidation



2-3 Second Dips

Reduction

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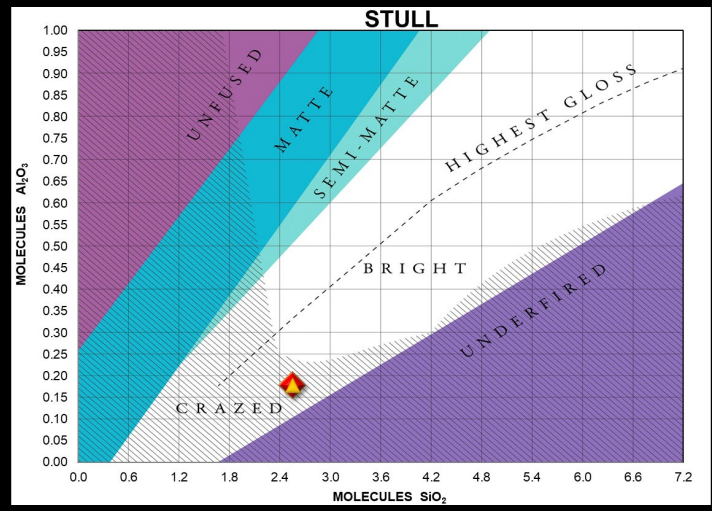
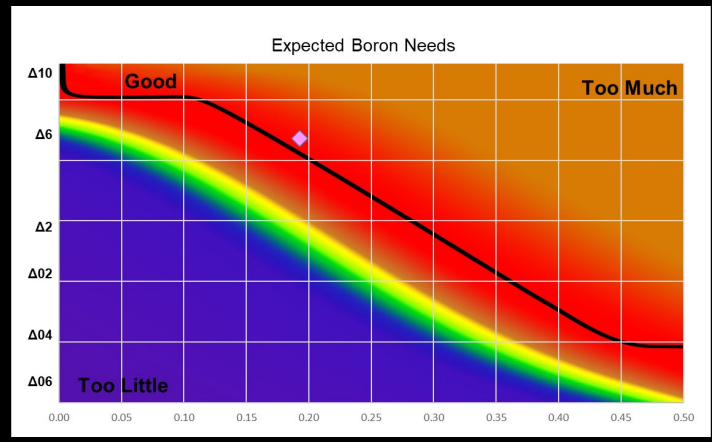
UMF

SiO_2:Al_2O_3 Ratio 14.26 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.58	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 14.26 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.55	Collective "Al_2O_3" 0.18	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.18	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



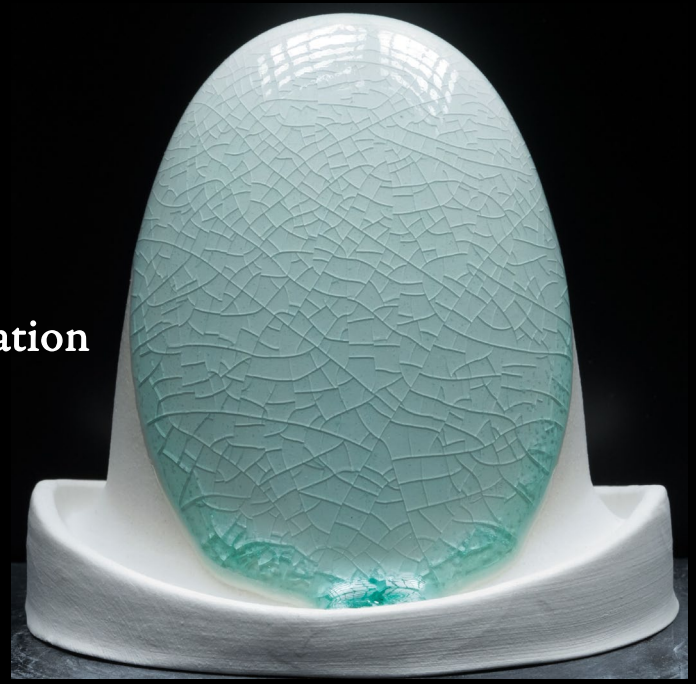
Birdie's Nest

Mapping
Kaolin 3
070722-29

Neph Sy	23.38
Dolomite	19.46
EPK	9.64
Flint	17.12
3134	28.39
Bentonite	2.01
Copper Carbonate	0.50
Water	70

Oxidation

1-3 Second Dip



2-3 Second Dips

Reduction

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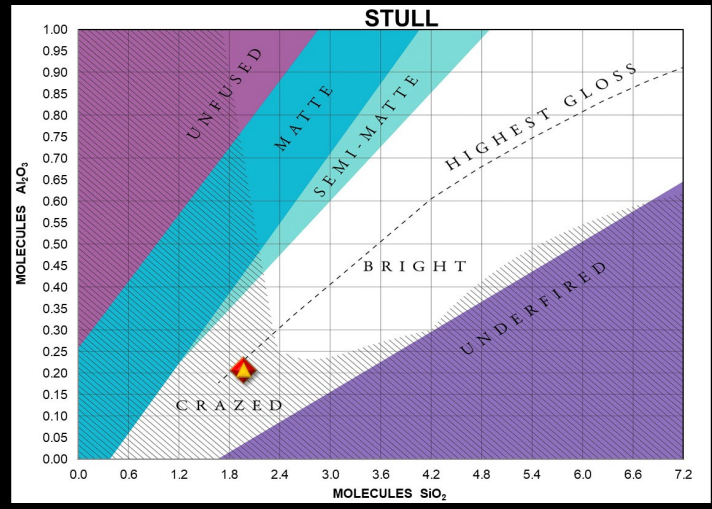
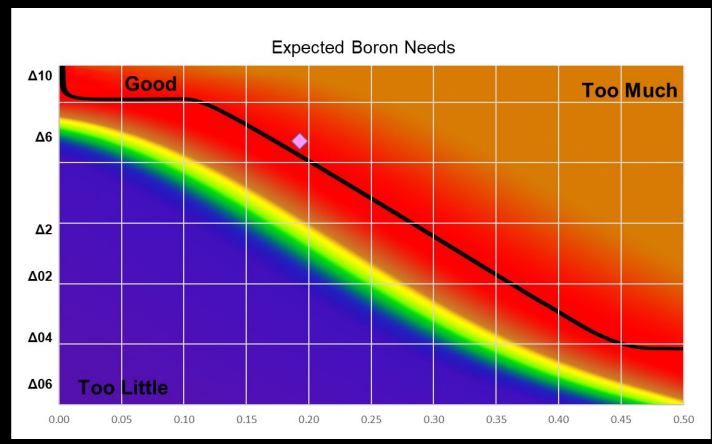
UMF

SiO_2:Al_2O_3 Ratio 9.45 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 1.99	Collective "Al_2O_3" 0.21	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.21	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 9.45 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.97	Collective "Al_2O_3" 0.21	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.21	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



Birdie's Nest

Mapping
Kaolin 4
070722-30

Neph Sy	22.28
Dolomite	18.55
EPK	13.79
Flint	16.31
3134	27.06
Bentonite	2.01
Copper Carbonate	0.51
Water	80

1-3 Second Dip

Oxidation

2-3 Second Dips

Reduction

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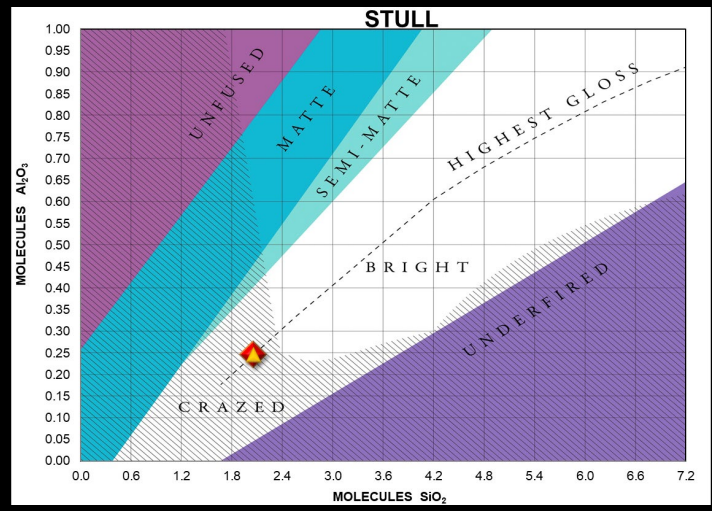
Ceramic Materials Workshop

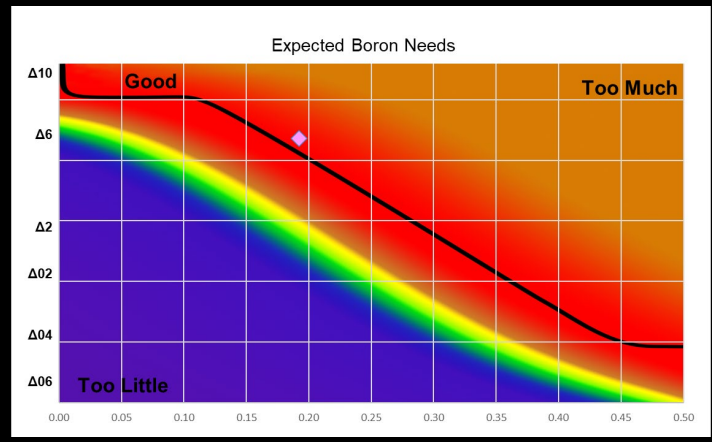
UMF

SiO_2:Al_2O_3 Ratio 8.31 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.08	Collective "Al_2O_3" 0.25	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.25	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 8.31 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.06	Collective "Al_2O_3" 0.25	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.25	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



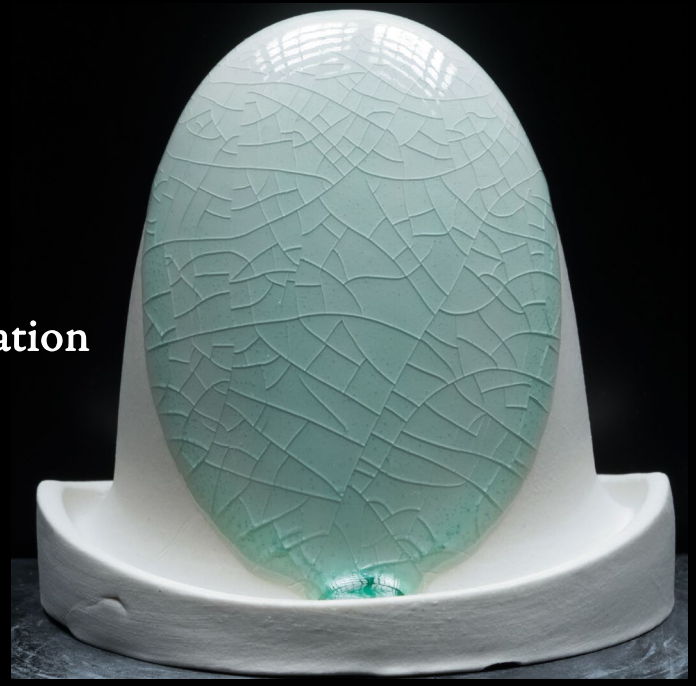
Birdie's Nest

Mapping
Kaolin 5
070722-31

Neph Sy	21.34
Dolomite	17.77
EPK	17.60
Flint	15.62
3134	25.91
Bentonite	1.76
Copper Carbonate	0.50
Water	80

1-3 Second Dip

Oxidation



2-3 Second Dips

Reduction

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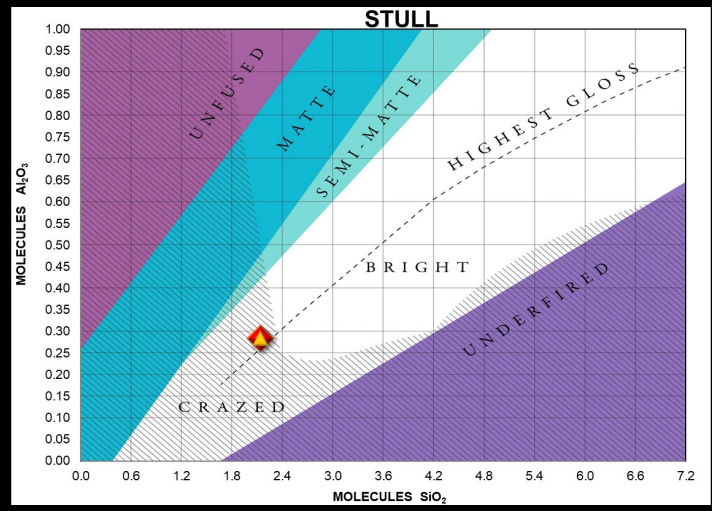
Ceramic Materials Workshop

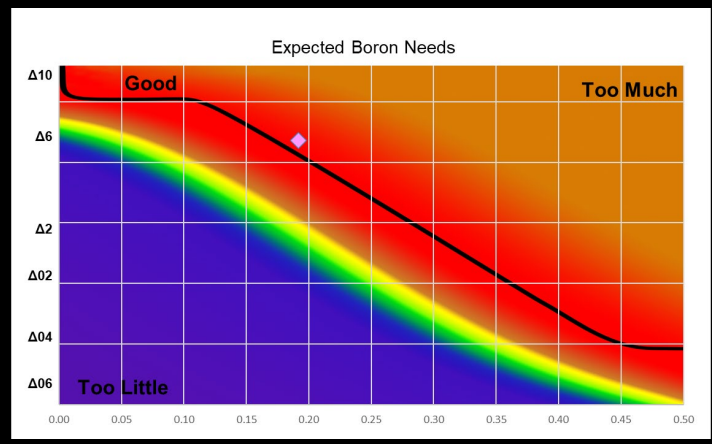
UMF

SiO_2:Al_2O_3 Ratio 7.50 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.16	Collective "Al_2O_3" 0.29	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.29	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 7.50 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.14	Collective "Al_2O_3" 0.29	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.28	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



Birdie's Nest

Mapping
Kaolin 6
070722-32

Neph Sy	20.44
Dolomite	17.02
EPK	21.08
Flint	14.96
3134	24.82
Bentonite	1.69
Copper Carbonate	0.51
Water	80

Oxidation

1-3 Second Dip

2-3 Second Dips

Reduction

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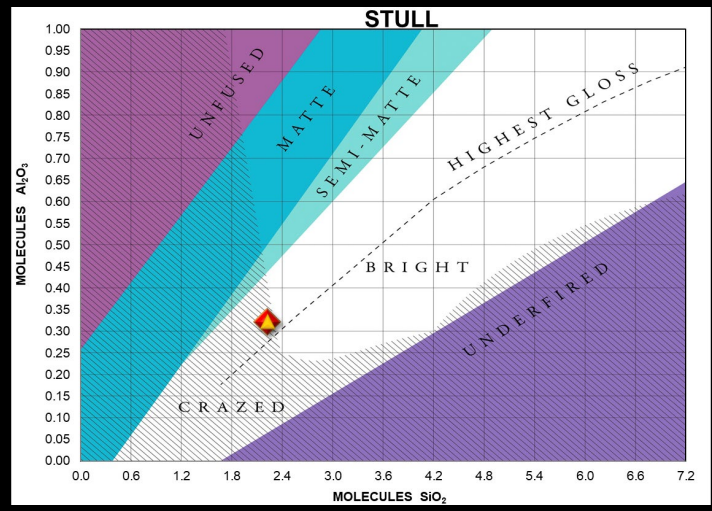
Ceramic Materials Workshop

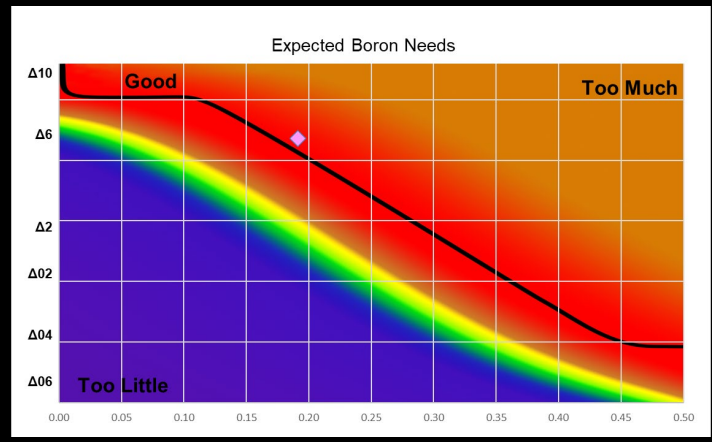
UMF

SiO_2:Al_2O_3 Ratio 6.87 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.25	Collective "Al_2O_3" 0.33	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 6.87 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.23	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.50
B_2O_3 0.19	Al_2O_3 0.32	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

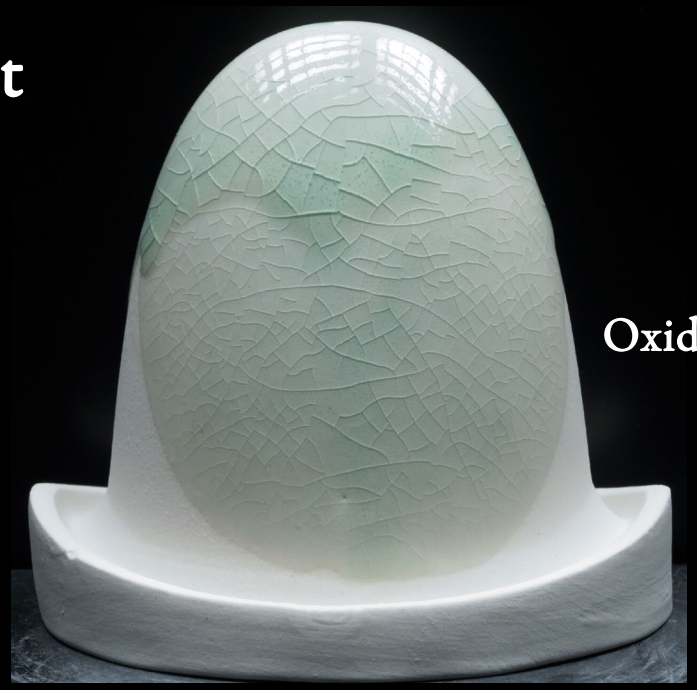


Birdie's Nest

Mapping
Kaolin 7
070722-33

Neph Sy	19.61
Dolomite	16.33
EPK	24.27
Flint	14.36
3134	23.81
Bentonite	1.62
Copper Carbonate	0.50
Water	80

Oxidation



1-3 Second Dip

2-3 Second Dips

Reduction

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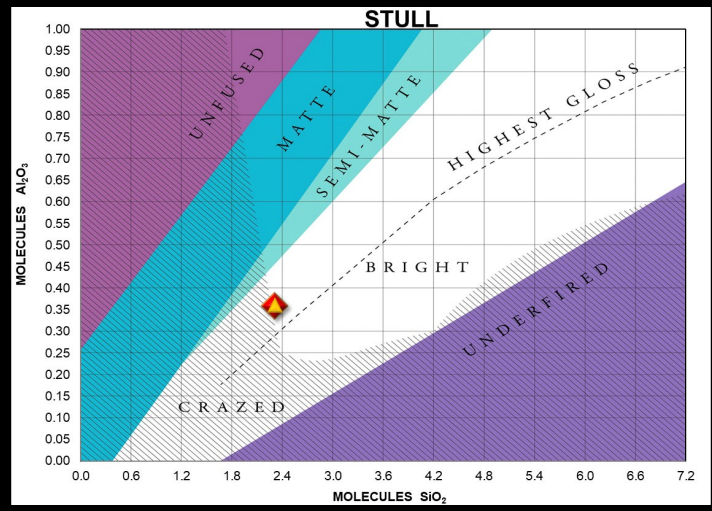
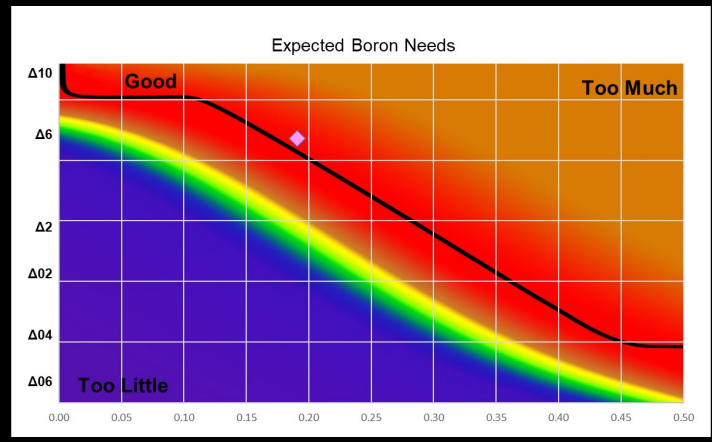
UMF

SiO_2:Al_2O_3 Ratio 6.38 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 2.34	Collective "Al_2O_3" 0.37	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.51
B_2O_3 0.19	Al_2O_3 0.36	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

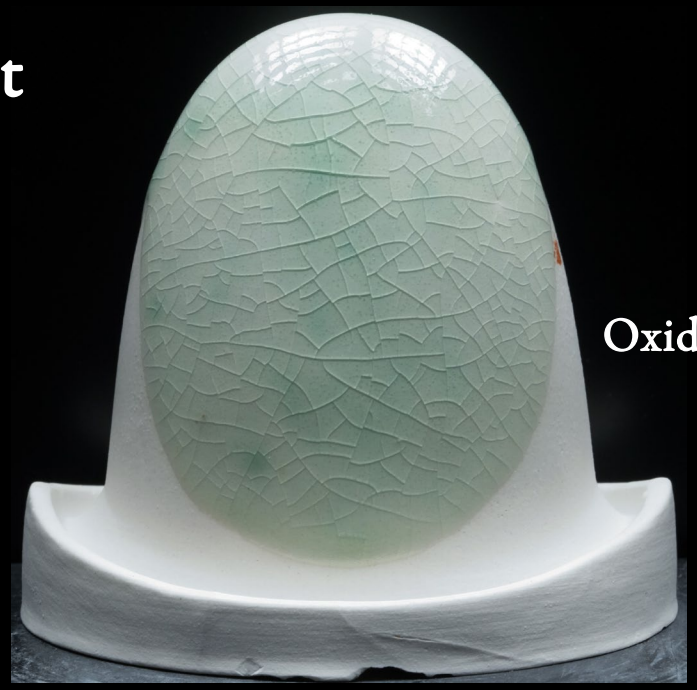
SiO_2:Al_2O_3 Ratio 6.38 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.31	Collective "Al_2O_3" 0.36	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.50
B_2O_3 0.19	Al_2O_3 0.36	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



Birdie's Nest

Mapping
Kaolin 8
070722-34

Neph Sy	18.85
Dolomite	15.69
EPK	27.21
Flint	13.80
3134	22.89
Bentonite	1.55
Copper Carbonate	0.51
Water	80



1-3 Second Dip

Oxidation

2-3 Second Dips

Reduction

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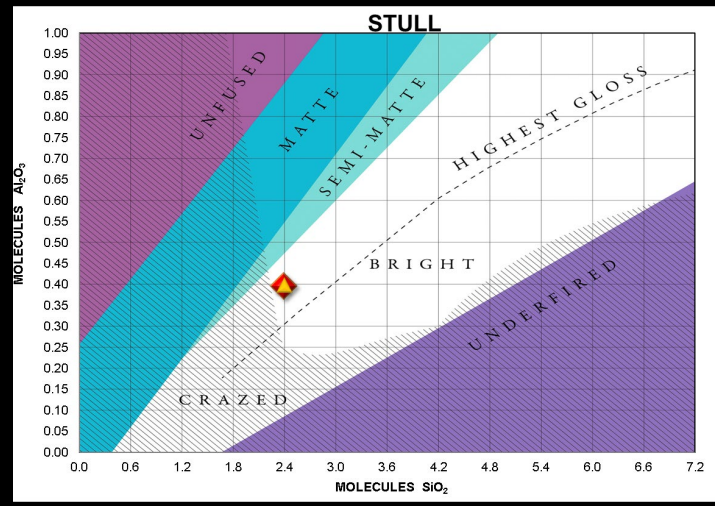
Ceramic Materials Workshop

UMF

SiO_2:Al_2O_3 Ratio 12.29 :1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO_2 2.15	Collective "Al_2O_3" 0.17	Na_2O 0.11	K_2O 0.06	MgO 0.00	CaO 0.82
B_2O_3 0.16	Al_2O_3 0.17	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.99 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 2.39	Collective "Al_2O_3" 0.40	Na_2O 0.20	K_2O 0.03	MgO 0.25	CaO 0.50
B_2O_3 0.19	Al_2O_3 0.40	Li_2O	CuO 0.01	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO