

Katz Burke Matte- Δ 6

Lab 5b-Color Wheel 2-Individual

KB Matte

Original

070522-1

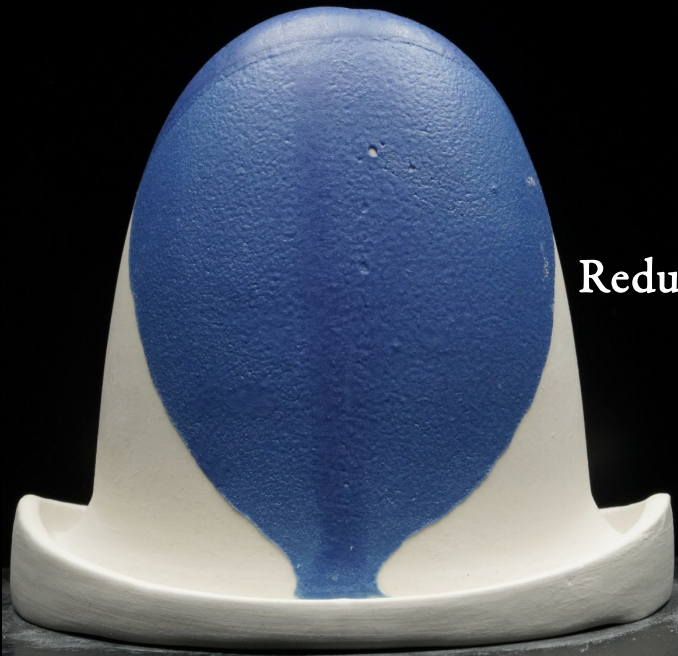
Neph Sy	19.71
Whiting	16.76
EPK	34.85
Flint	12.91
3134	15.77
Cobalt Carbonate	1.01
Water	100



1-3 Second Dip



2-3 Second Dips



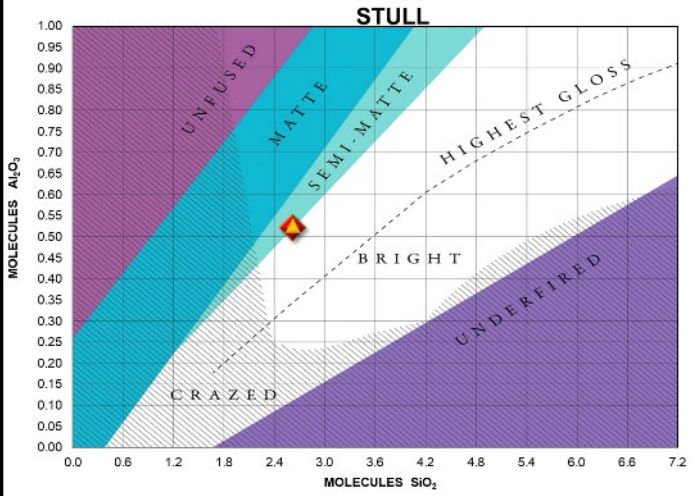
Reduction



Oxidation

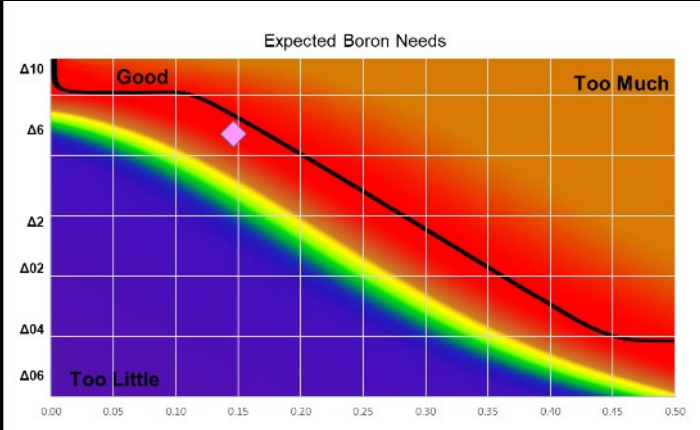
UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.69	Collective "Al ₂ O ₃ " 0.54	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.62	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.00	CaO 0.73
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.52	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	19.33
Whiting	16.43
EPK	34.17
Flint	12.66
3134	15.46
Cobalt Carbonate	0.98
Chrome Oxide	0.98
Water	210



1-3 Second Dip



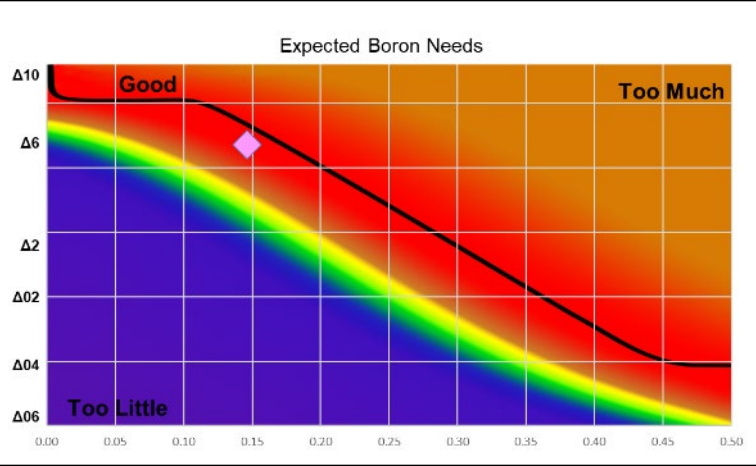
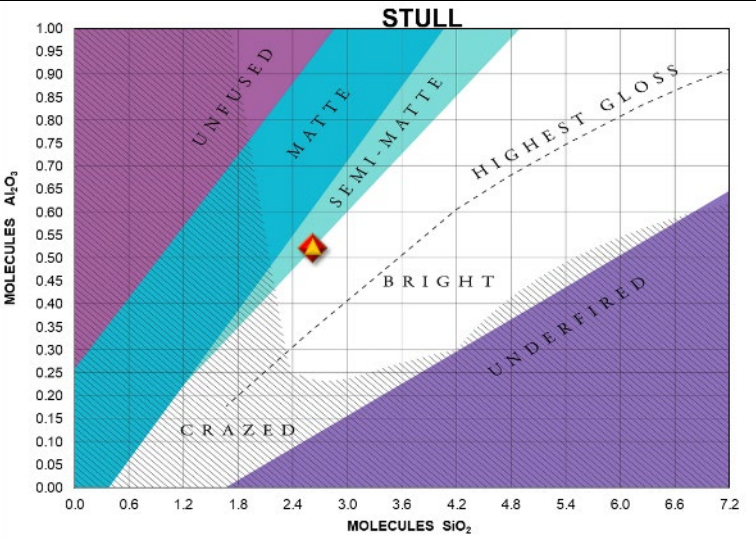
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.62	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.00	CaO 0.73
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.52	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.95
Whiting	16.11
EPK	33.51
Flint	12.42
3134	15.16
Cobalt Carbonate	0.96
Copper Carbonate	2.88
Water	210



1-3 Second Dip



2-3 Second Dips

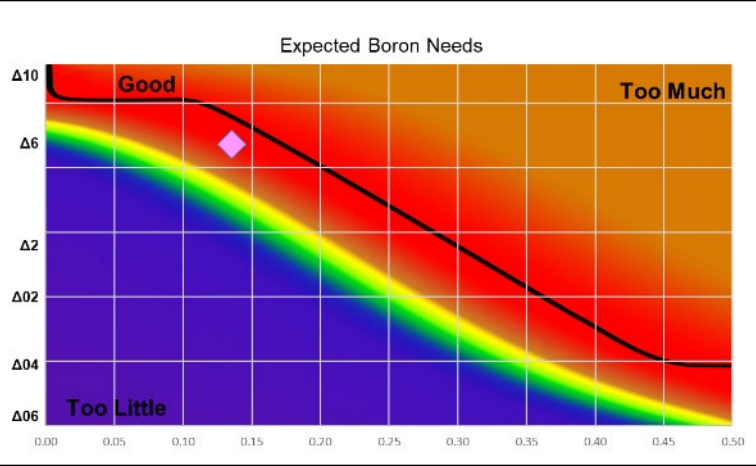
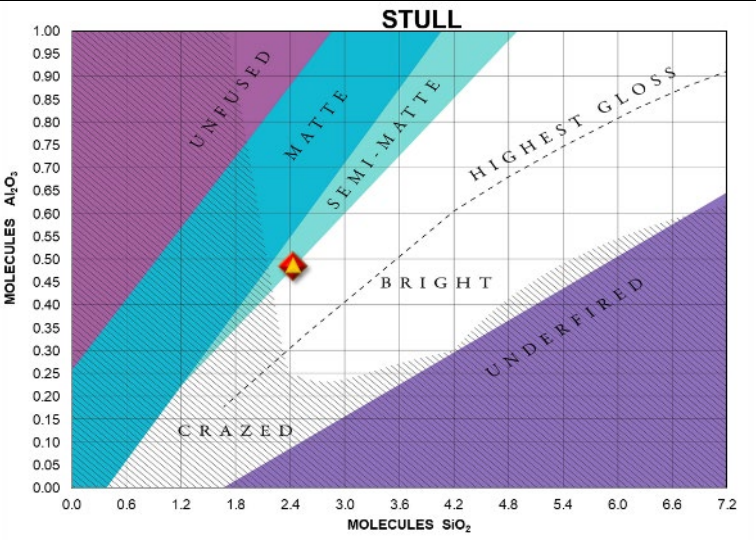


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.43	Collective "Al ₂ O ₃ " 0.49	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.48	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.42
Whiting	15.66
EPK	32.57
Flint	12.07
3134	14.74
Cobalt Carbonate	0.93
Red Iron Oxide	5.61
Water	210

SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 1.90	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.14	K ₂ O 0.02	MgO 0.00	CaO 0.53
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.38	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.29
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



1-3 Second Dip



2-3 Second Dips

Oxidation

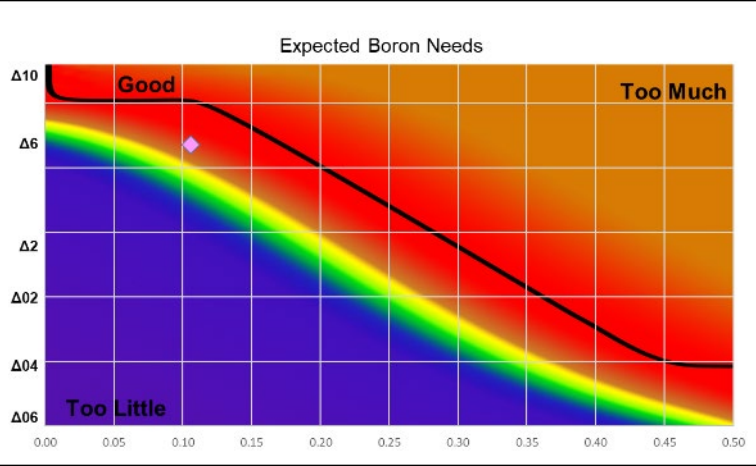
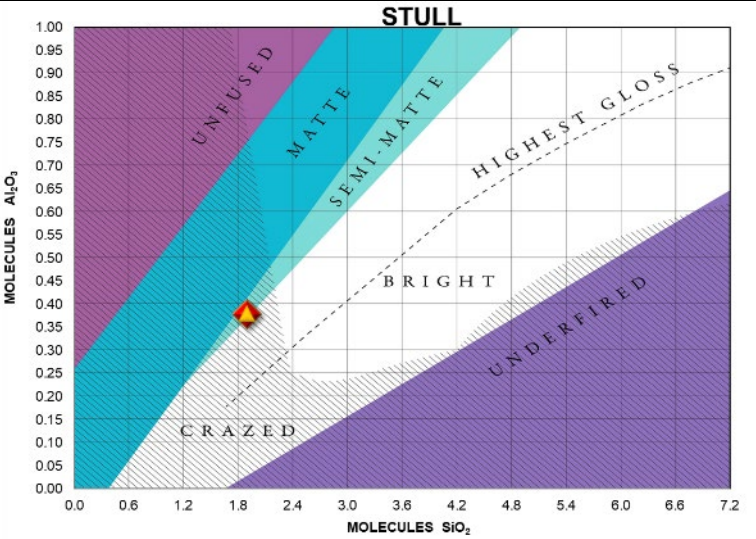


1-3 Second Dip



2-3 Second Dips

Reduction



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.95
Whiting	16.11
EPK	33.51
Flint	12.42
3134	15.16
Cobalt Carbonate	0.96
Manganese Dioxide	2.88
Water	210



1-3 Second Dip



2-3 Second Dips

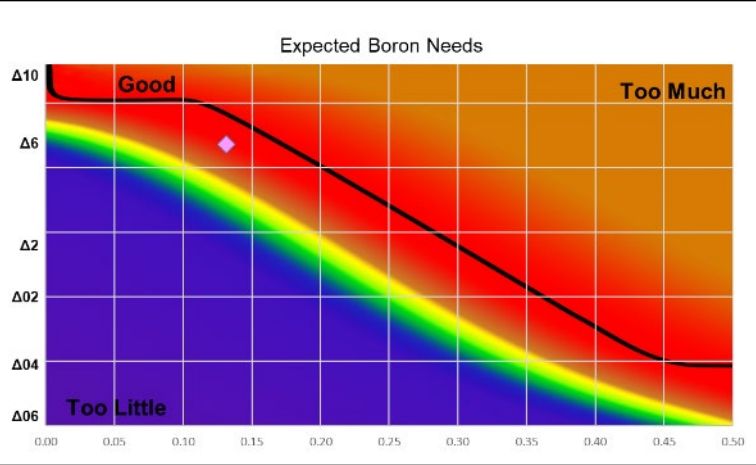
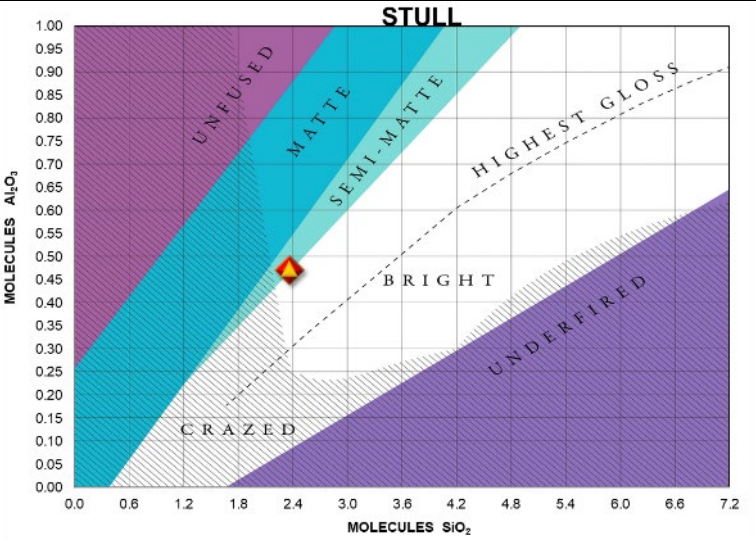


Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.36	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.66
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.47	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.10	CoO 0.02

Oxidation



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	19.05
Whiting	16.19
EPK	33.67
Flint	12.48
3134	15.24
Cobalt Carbonate	0.97
Nickel Carb (Green)	2.42
Water	210



Oxidation

1-3 Second Dip

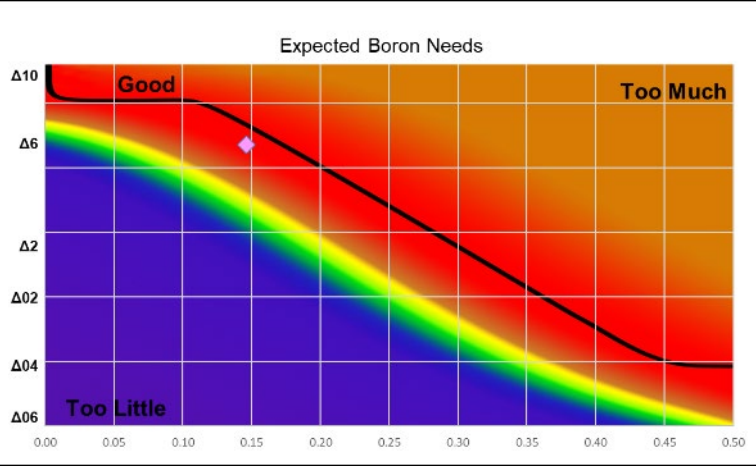
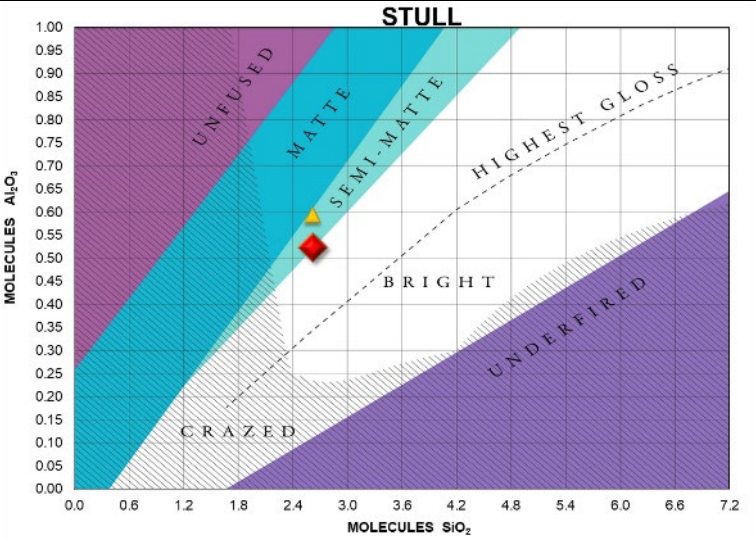


2-3 Second Dips



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 4.41 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.62	Collective "Al ₂ O ₃ " 0.59	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.00	CaO 0.73
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.52	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO 0.07	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.42
Whiting	15.66
EPK	32.57
Flint	12.07
3134	14.74
Cobalt Carbonate	0.93
Titanium Dioxide	5.61
Water	210



1-3 Second Dip



2-3 Second Dips

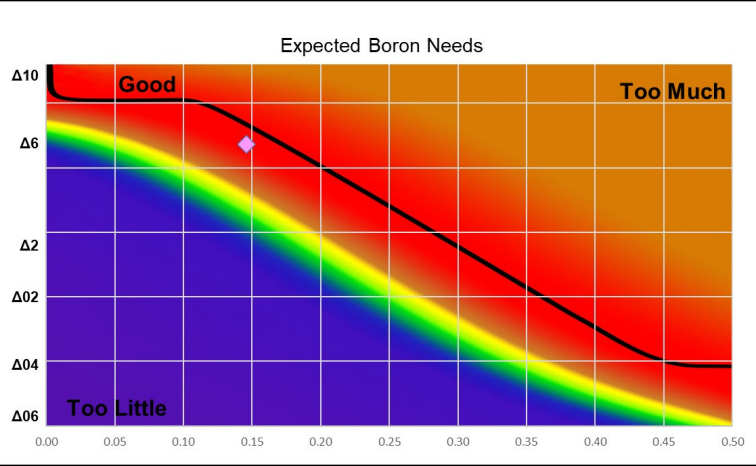
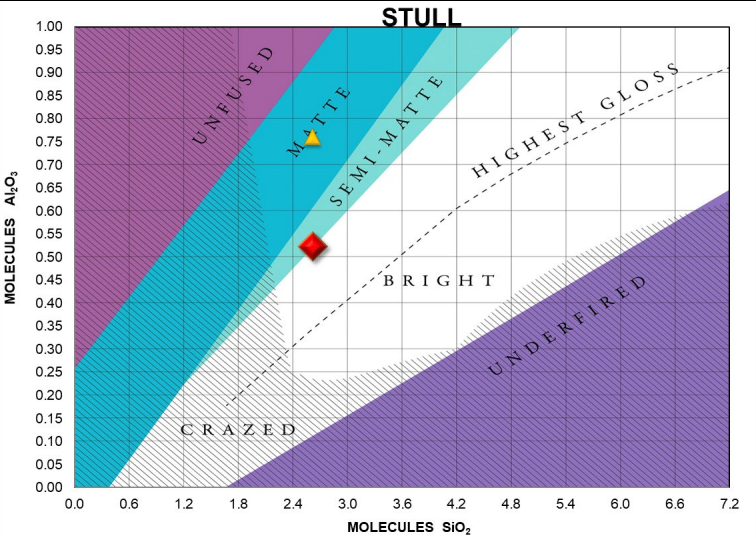


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 3.44 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.62	Collective "Al ₂ O ₃ " 0.76	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.00	CaO 0.73
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.52	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.24	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



Ceramic
Materials
Workshop

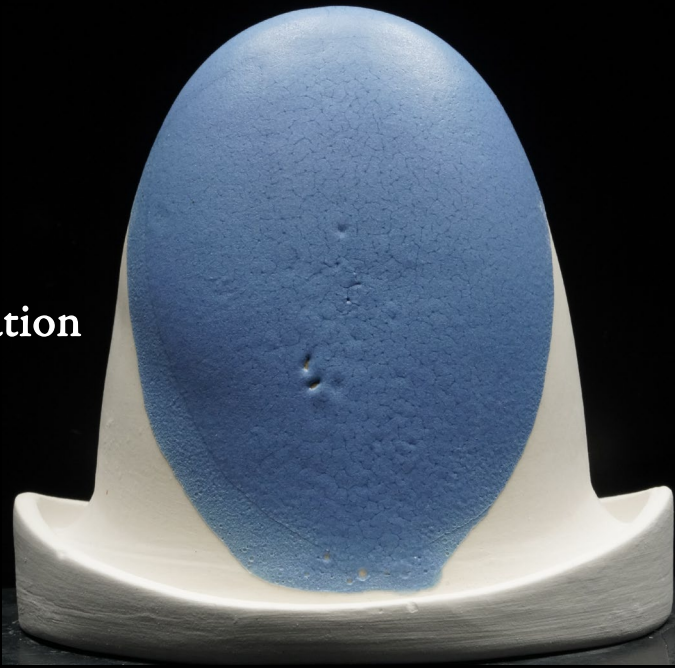
Katz Burke Matte

Neph Sy	18.60
Whiting	15.81
EPK	32.88
Flint	12.18
3134	14.88
Cobalt Carbonate	0.94
Tin Oxide	4.72
Water	210

SiO ₂ :Al ₂ O ₃ Ratio 4.97 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.37	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.66
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.47	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



Oxidation

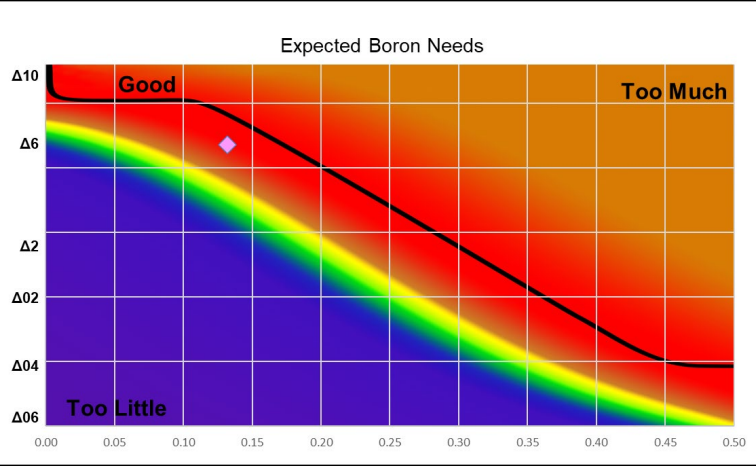
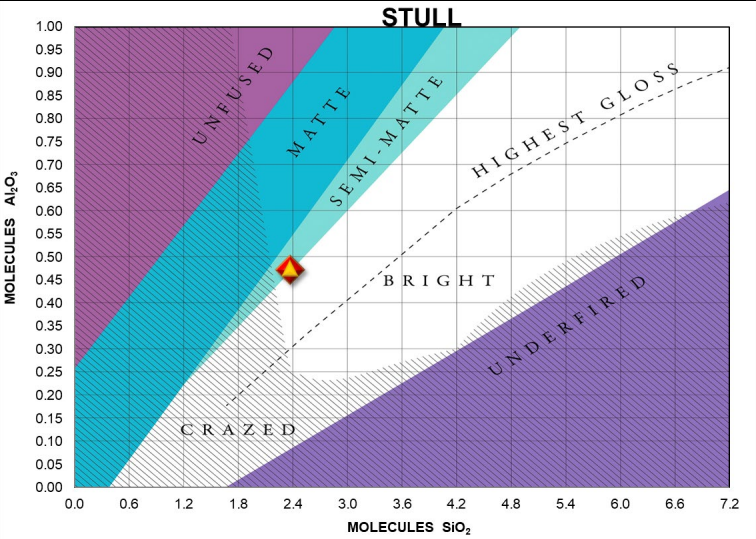


1-3 Second Dip

2-3 Second Dips



Reduction



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.76
Whiting	15.09
EPK	31.40
Flint	11.63
3134	14.21
Cobalt Carbonate	0.90
Ultrax (Zircopax)	9.01
Water	210

SiO ₂ :Al ₂ O ₃ Ratio 5.30 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.79	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.00	CaO 0.73
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.52	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



1-3 Second Dip

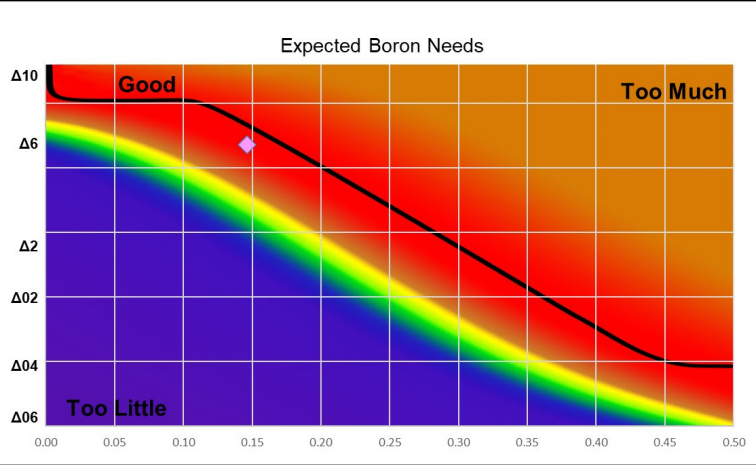
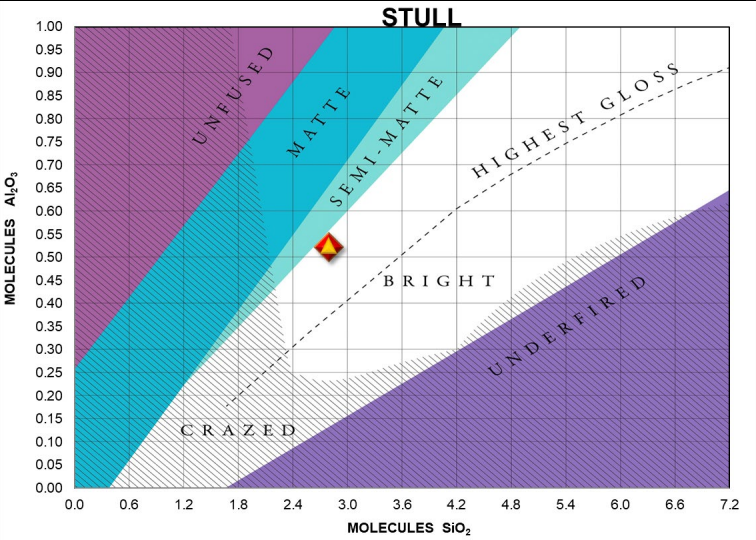


2-3 Second Dips

Oxidation



Reduction



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.95
Whiting	16.11
EPK	33.51
Flint	12.42
3134	15.16
Chrome Oxide	0.96
Copper Carbonate	2.88
Water	150



1-3 Second Dip



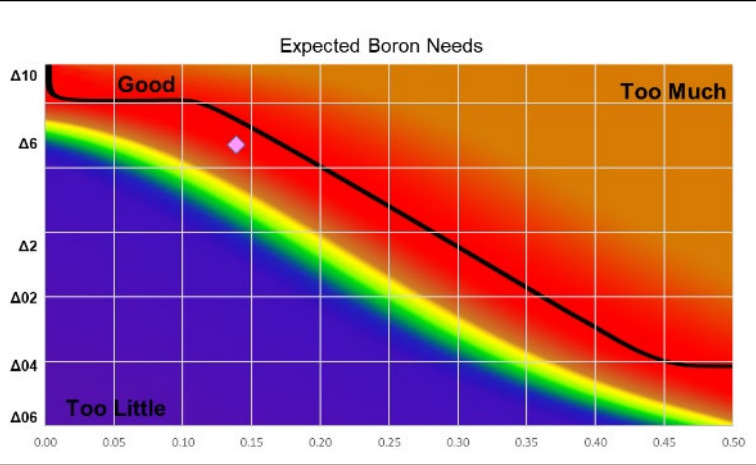
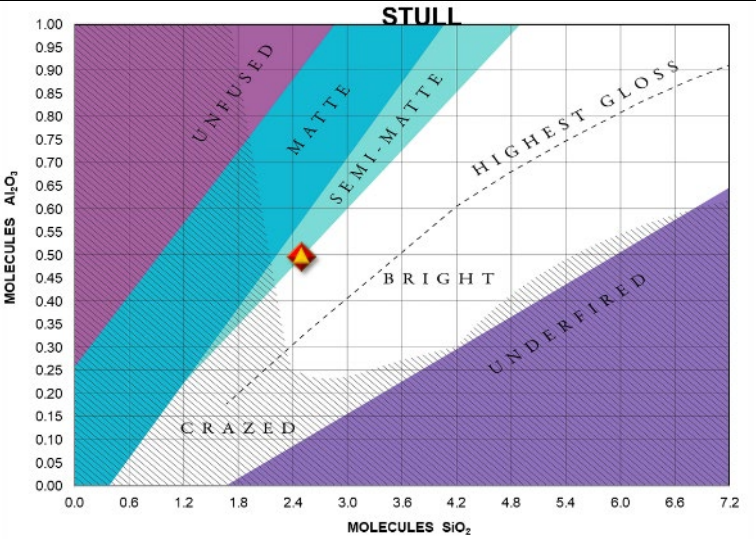
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.50	Collective "Al ₂ O ₃ " 0.50	Na ₂ O 0.18	K ₂ O 0.03	MgO 0.00	CaO 0.70
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.50	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Katz Burke Matte

Neph Sy	18.42
Whiting	15.66
EPK	32.57
Flint	12.07
3134	14.74
Chrome Oxide	0.93
Red Iron Oxide	5.61
Water	150



Oxidation

1-3 Second Dip



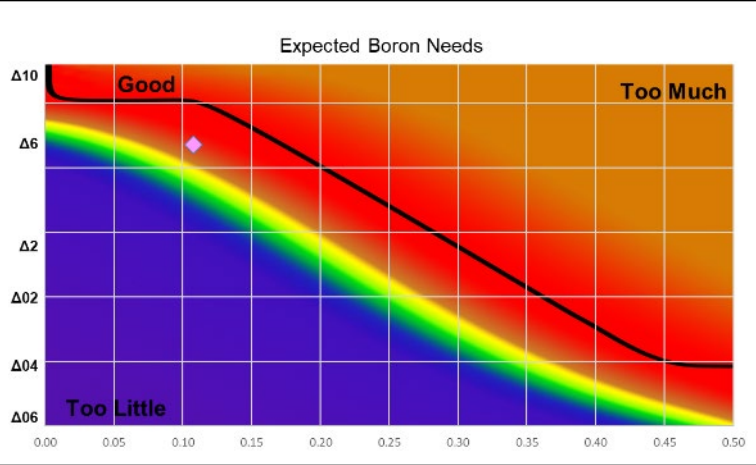
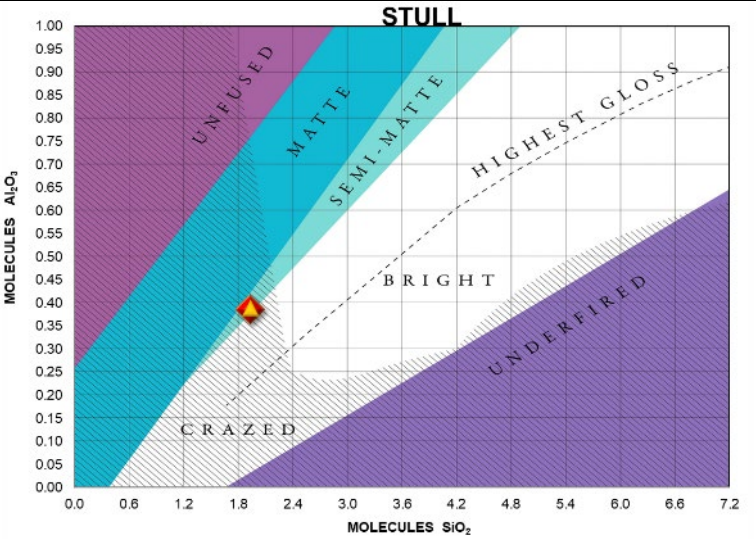
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 1.94	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.14	K ₂ O 0.03	MgO 0.00	CaO 0.54
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.29
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

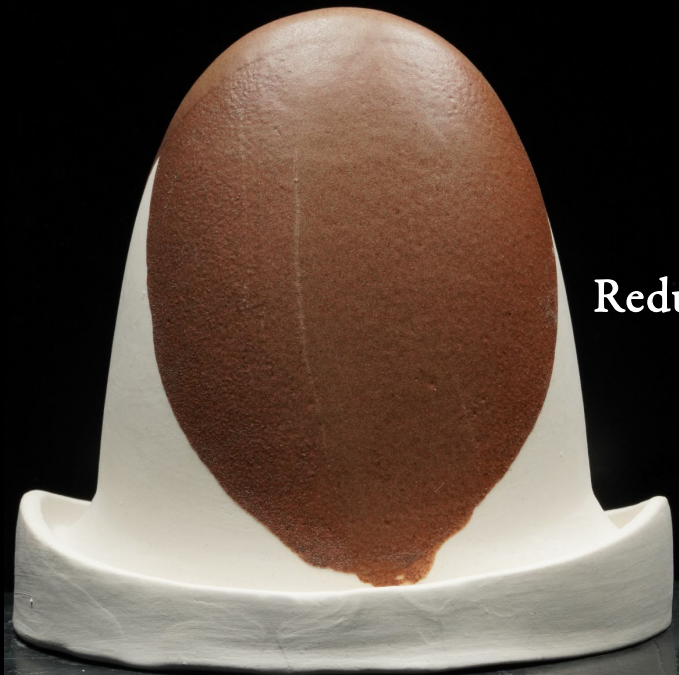
Neph Sy	18.95
Whiting	16.11
EPK	33.51
Flint	12.42
3134	15.16
Chrome Oxide	0.96
Manganese Dioxide	2.88
Water	150



1-3 Second Dip



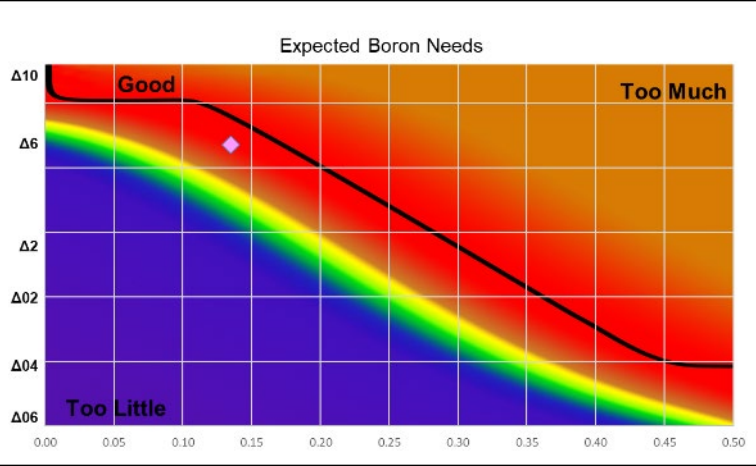
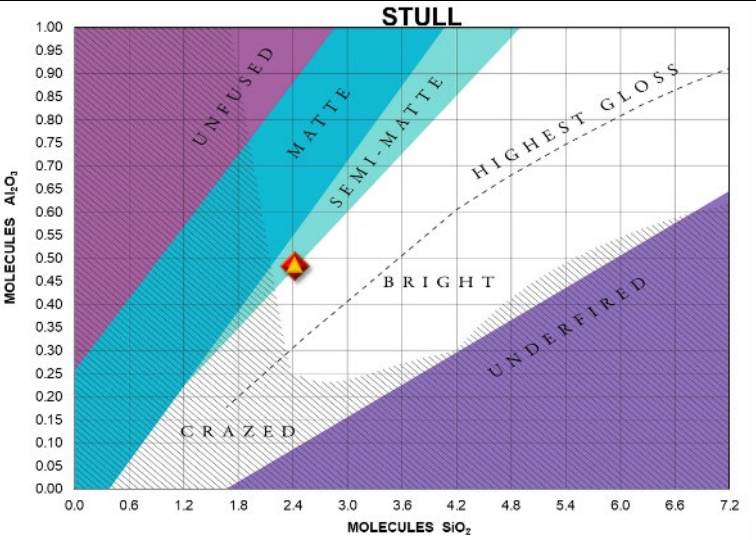
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.42	Collective "Al ₂ O ₃ " 0.49	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂ 0.10	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	19.05
Whiting	16.19
EPK	33.67
Flint	12.48
3134	15.24
Chrome Oxide	0.97
Nickel Carb (Green)	2.42
Water	150



1-3 Second Dip



2-3 Second Dips

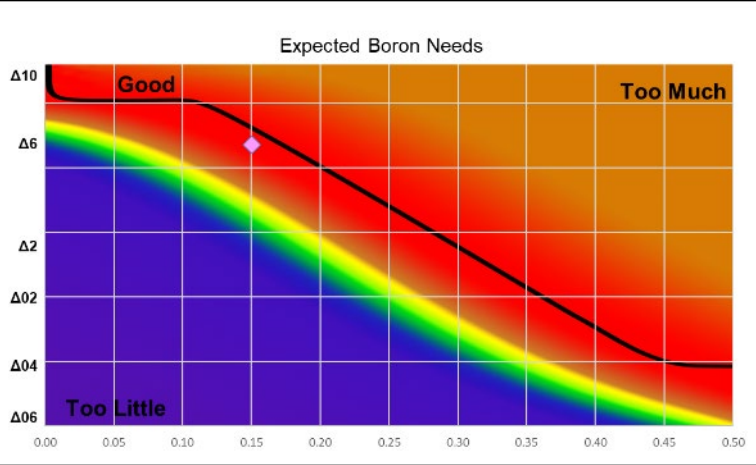
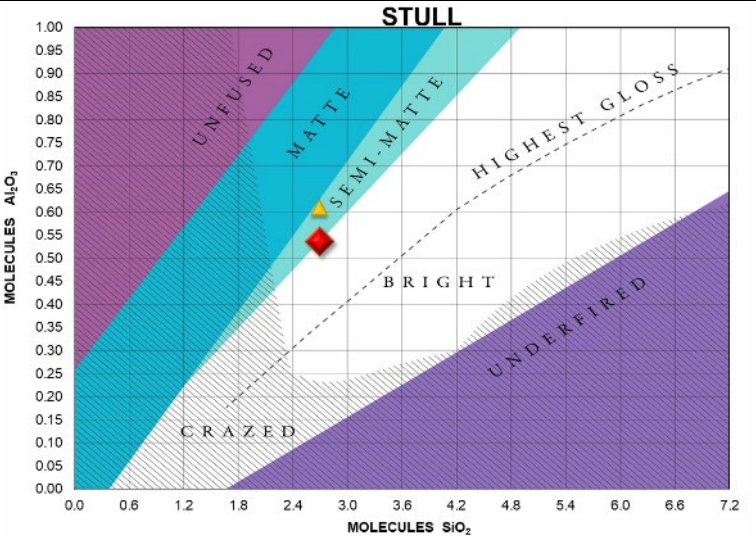


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.41 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.69	Collective "Al ₂ O ₃ " 0.61	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O 0.03	CuO 0.03	SrO 0.01	BaO 0.02
TiO ₂ 0.01	NiO 0.07	Bi ₂ O ₃ 0.03	SnO ₂ 0.03	ZnO 0.01	FeO 0.02
Cr ₂ O ₃ 0.02	ZrO ₂ 0.03	P ₂ O ₅ 0.03		MnO ₂ 0.01	CoO 0.01



Ceramic
Materials
Workshop

Katz Burke Matte

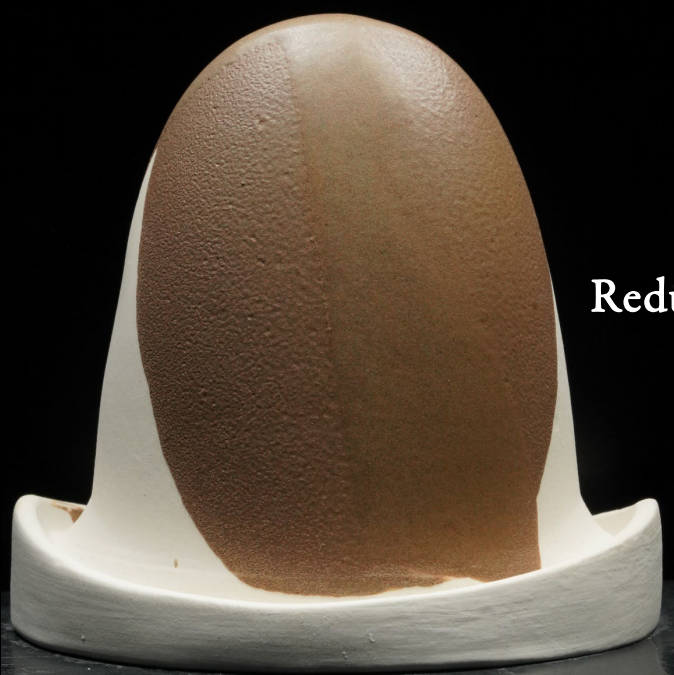
Neph Sy	18.42
Whiting	15.66
EPK	32.57
Flint	12.07
3134	14.74
Chrome Oxide	0.93
Titanium Dioxide	5.61
Water	150



1-3 Second Dip



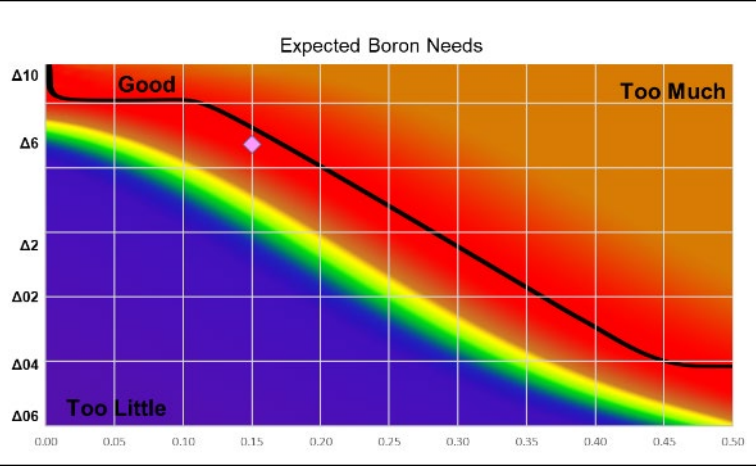
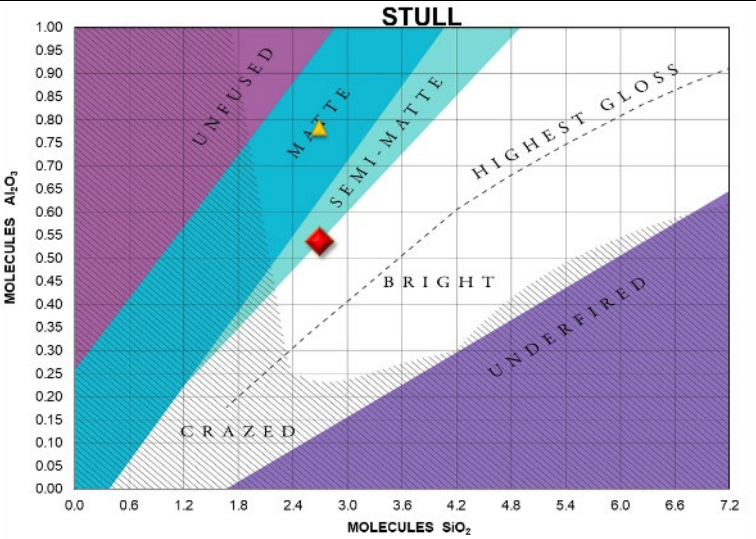
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 3.44 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.69	Collective "Al ₂ O ₃ " 0.78	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.25	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.60
Whiting	15.81
EPK	32.88
Flint	12.18
3134	14.88
Chrome Oxide	0.94
Tin Oxide	4.72
Water	150



1-3 Second Dip



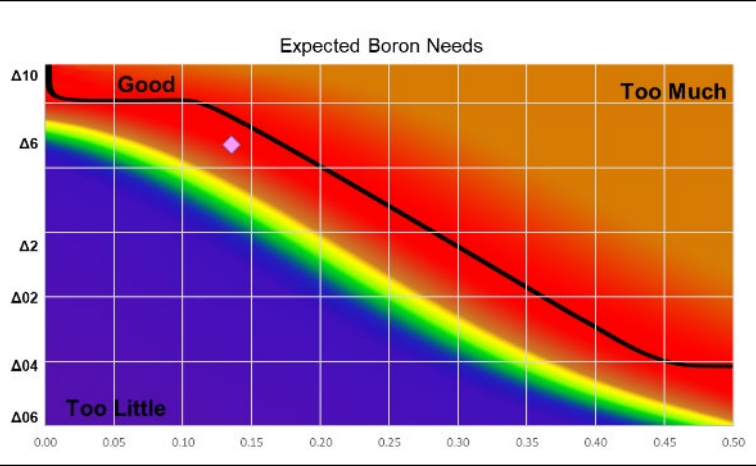
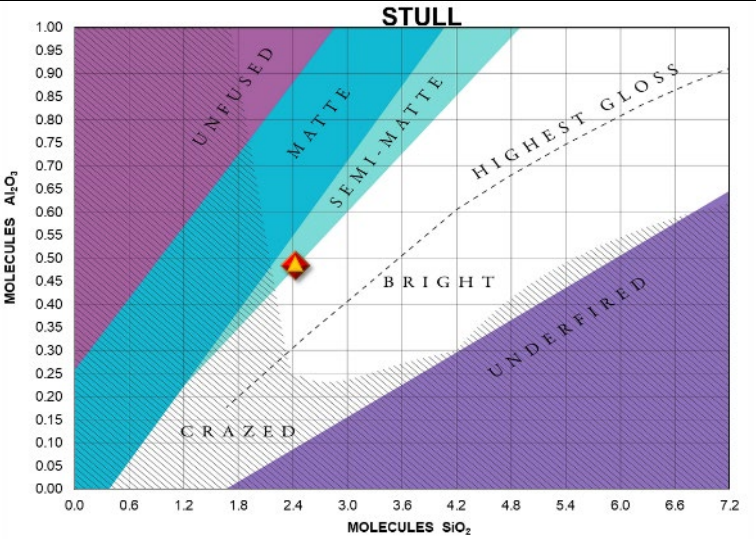
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.43	Collective "Al ₂ O ₃ " 0.49	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.76
Whiting	15.09
EPK	31.40
Flint	11.63
3134	14.21
Chrome Oxide	0.90
Ultrax (Zircopax)	9.01
Water	150



1-3 Second Dip



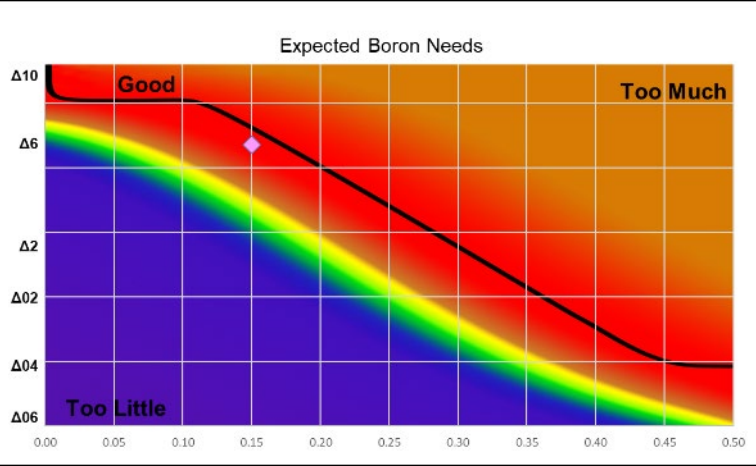
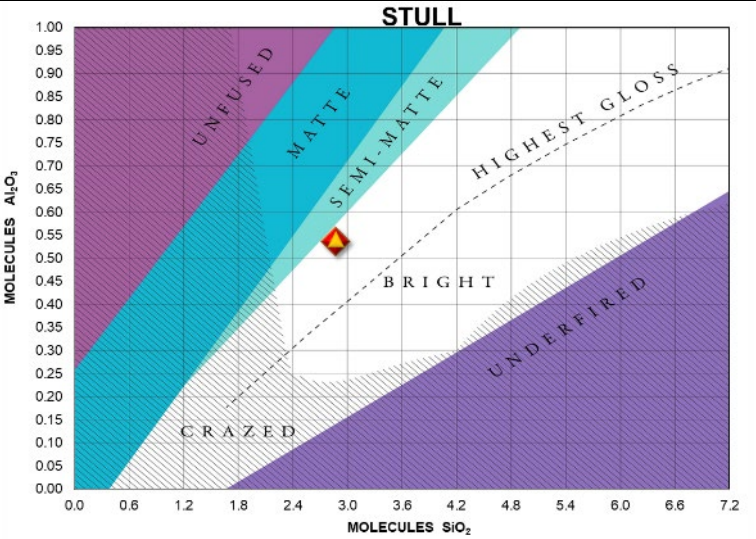
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 5.30 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.87	Collective "Al ₂ O ₃ " 0.54	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.08
Whiting	15.37
EPK	31.97
Flint	11.85
3134	14.47
Copper Carbonate	2.75
Red Iron Oxide	5.50
Water	150



1-3 Second Dip



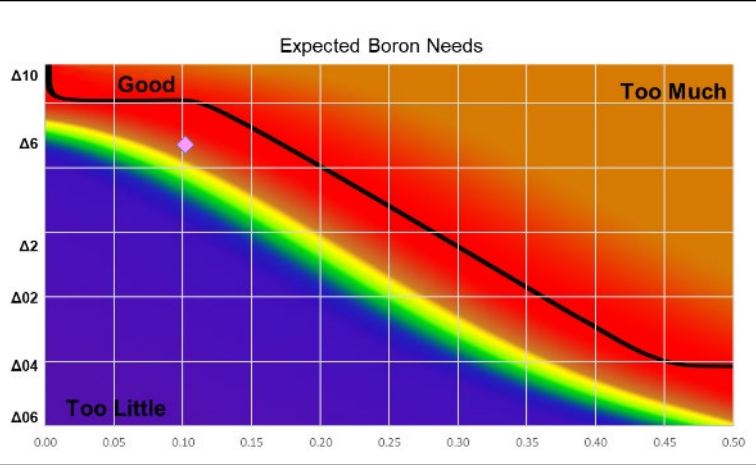
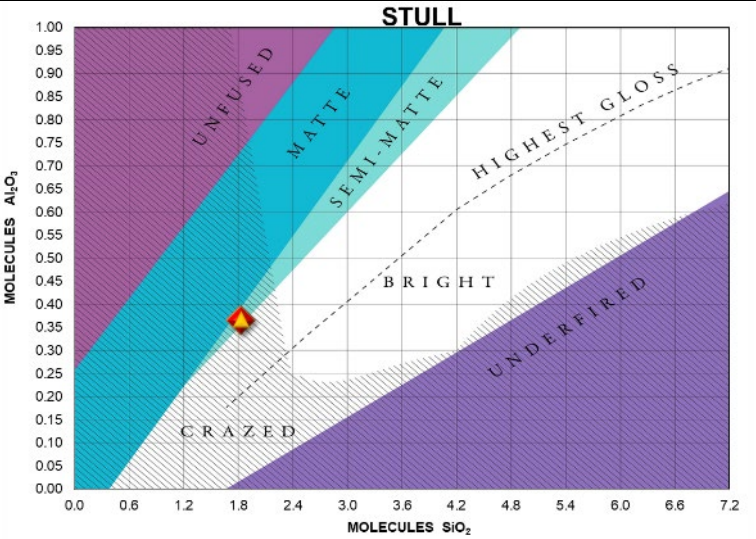
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 :1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 1.83	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.13	K ₂ O 0.02	MgO 0.00	CaO 0.51
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.36	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.28
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.60
Whiting	15.81
EPK	32.88
Flint	12.18
3134	14.88
Copper Carbonate	2.83
Manganese Dioxide	2.83
Water	150



1-3 Second Dip



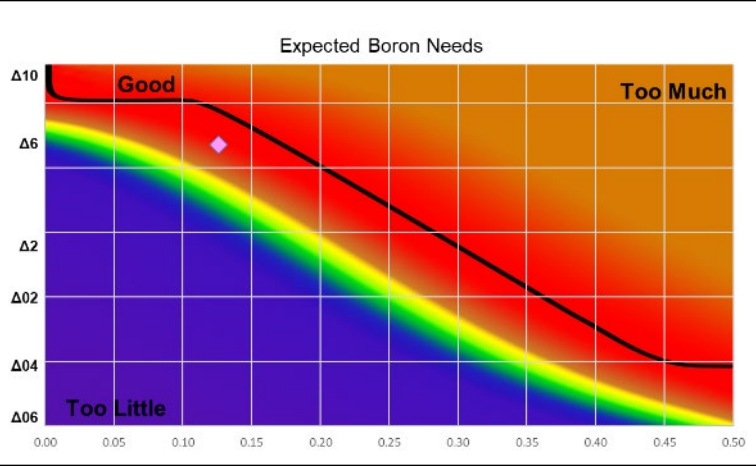
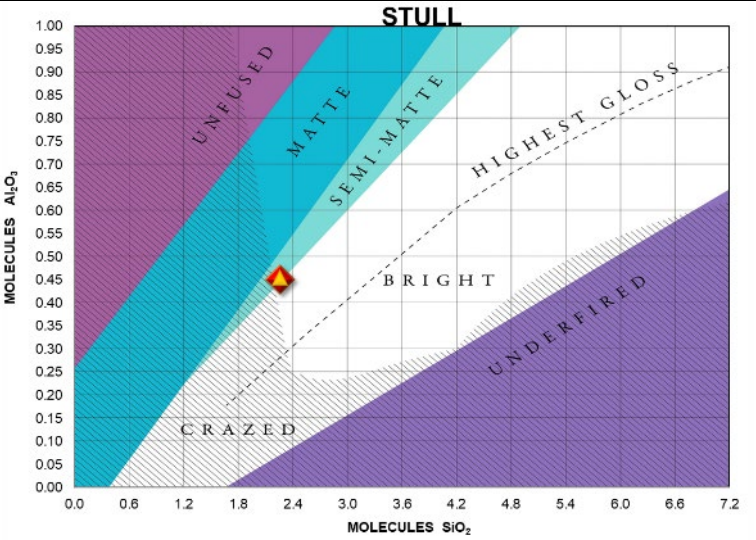
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 2.26	Collective "Al ₂ O ₃ " 0.45	Na ₂ O 0.16	K ₂ O 0.03	MgO 0.00	CaO 0.63
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.45	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.09	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.68
Whiting	15.88
EPK	33.03
Flint	12.24
3134	14.95
Copper Carbonate	2.84
Nickel Carb (Green)	2.37
Water	150



1-3 Second Dip



2-3 Second Dips

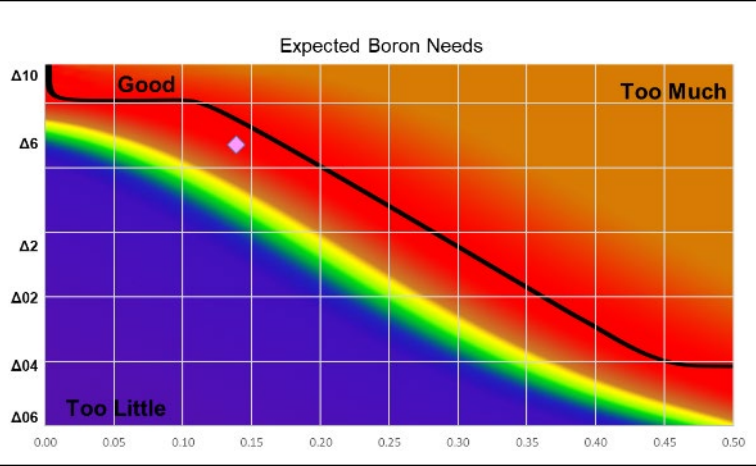
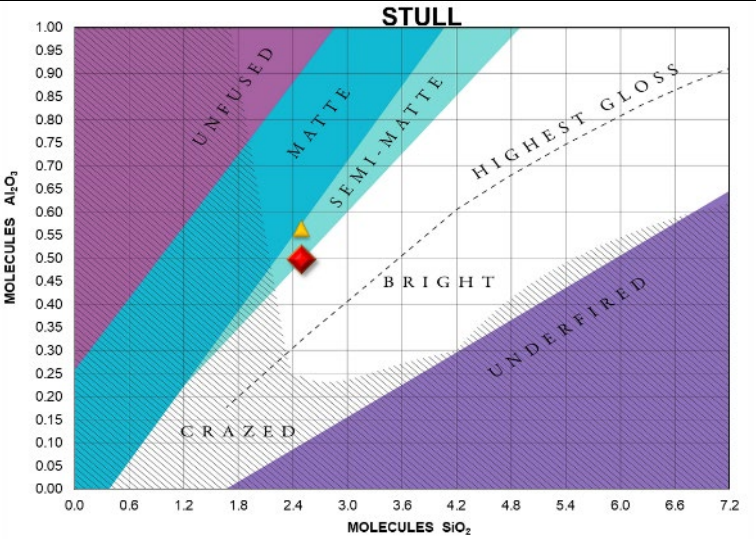


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.41 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.50	Collective "Al ₂ O ₃ " 0.57	Na ₂ O 0.18	K ₂ O 0.03	MgO 0.00	CaO 0.70
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.50	Li ₂ O 0.00	CuO 0.07	SrO 0.00	BaO 0.00
TiO ₂ 0.01	NiO 0.06	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.08
Whiting	15.37
EPK	31.97
Flint	11.85
3134	14.47
Copper Carbonate	2.75
Titanium Dioxide	5.50
Water	150



1-3 Second Dip



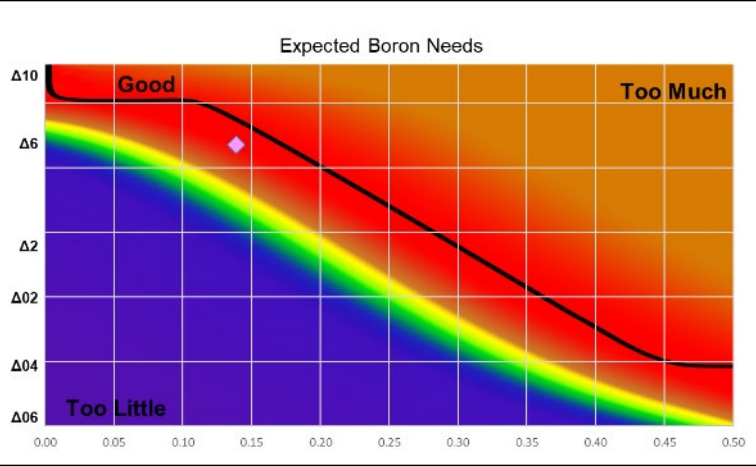
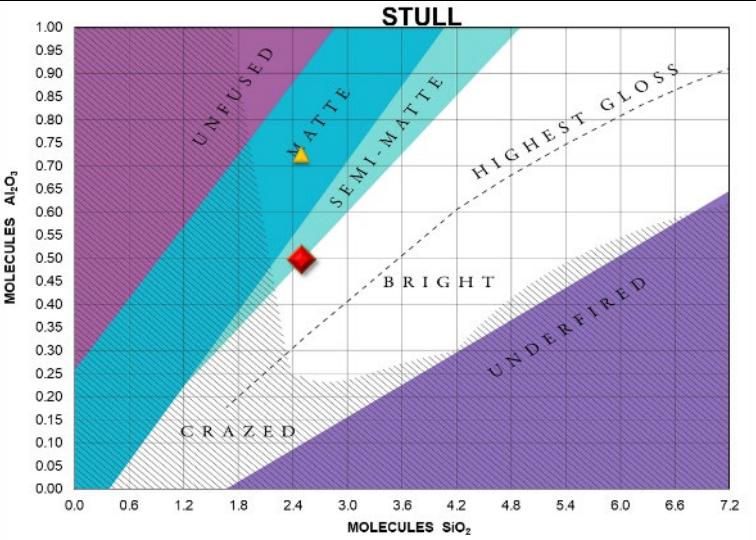
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 3.44 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.50	Collective "Al ₂ O ₃ " 0.73	Na ₂ O 0.18	K ₂ O 0.03	MgO 0.00	CaO 0.70
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.50	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.23	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

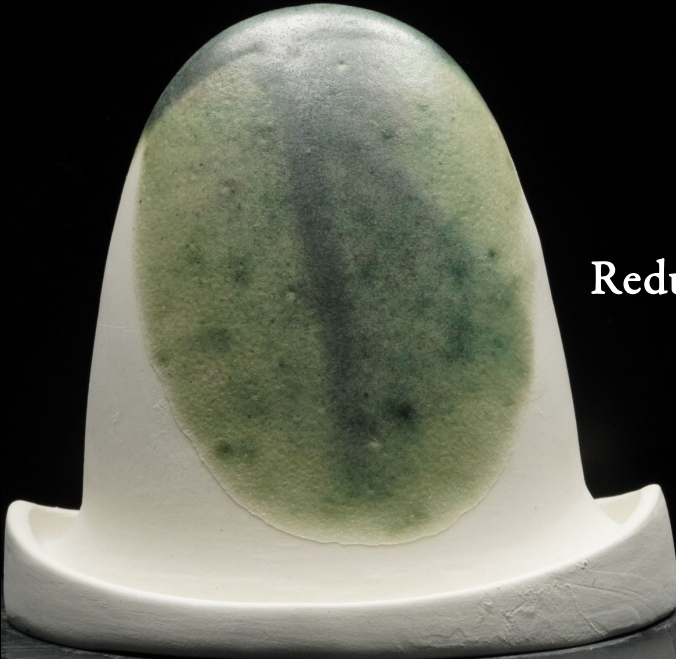
Neph Sy	18.25
Whiting	15.51
EPK	32.27
Flint	11.96
3134	14.60
Copper Carbonate	2.78
Tin Oxide	4.63
Water	150



1-3 Second Dip



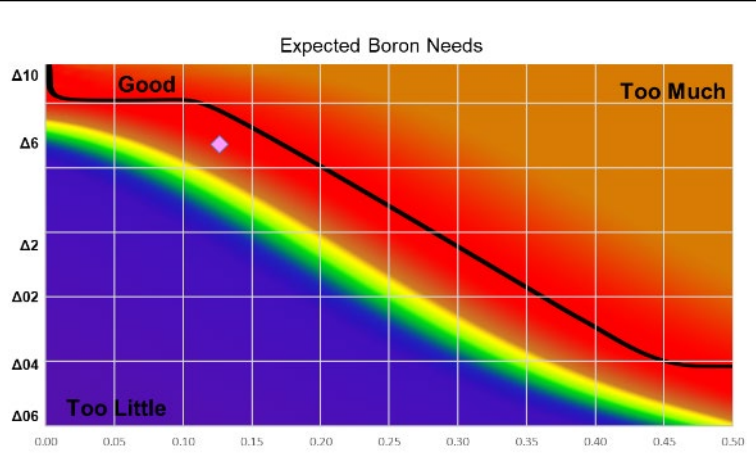
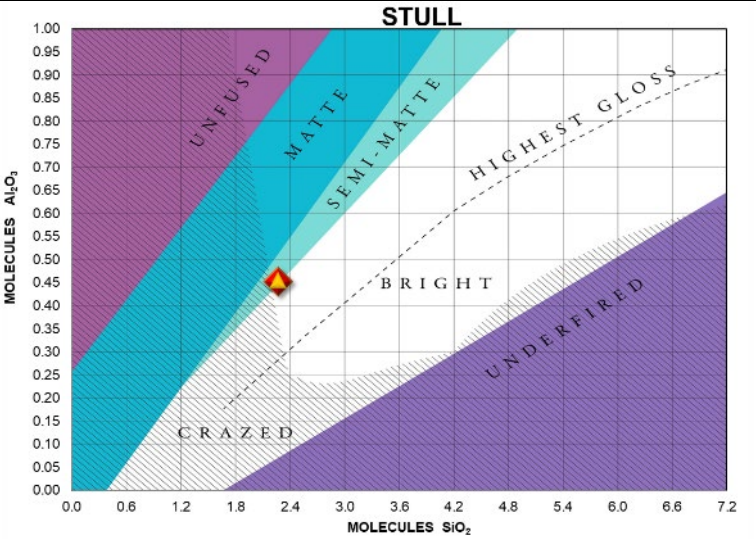
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.35		Alkaline Earths 0.65	
SiO ₂ 2.27	Collective "Al ₂ O ₃ " 0.46	Na ₂ O 0.16	K ₂ O 0.03	MgO 0.00	CaO 0.63
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.45	Li ₂ O 0.07	CuO 0.07	SrO 0.00	BaO 0.01
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.09	SnO ₂ 0.09	ZnO 0.00	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

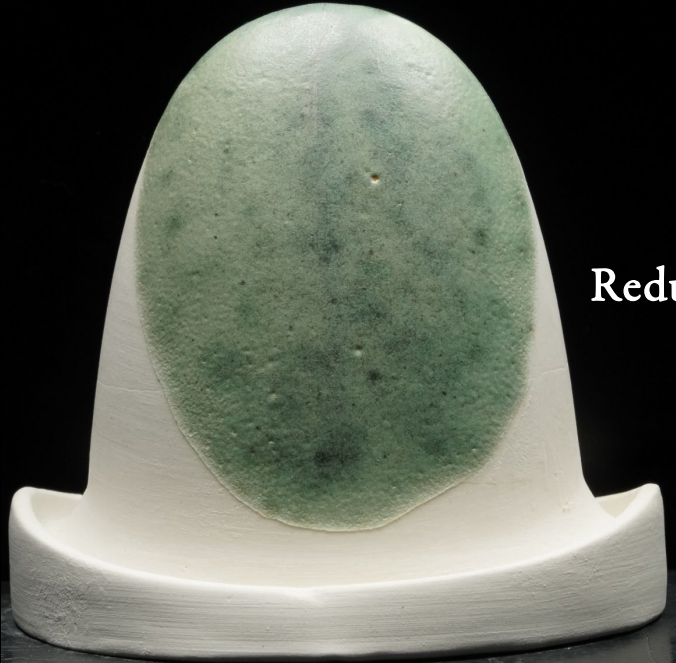
Neph Sy	17.44
Whiting	14.83
EPK	30.84
Flint	11.43
3134	13.96
Copper Carbonate	2.65
Ultrox (Zircopax)	8.85
Water	150



1-3 Second Dip



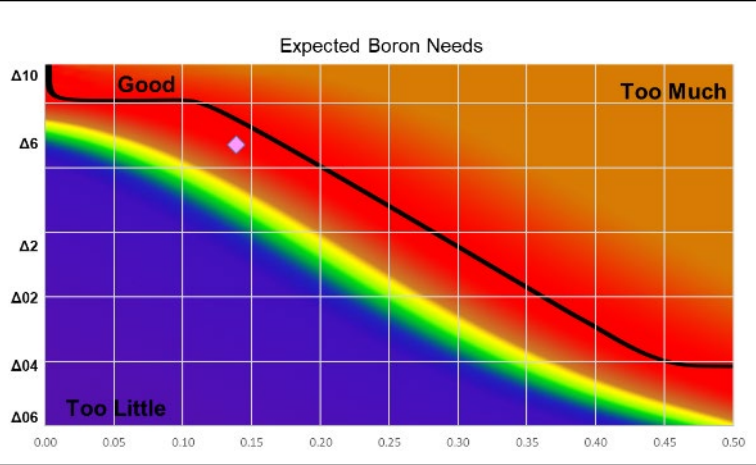
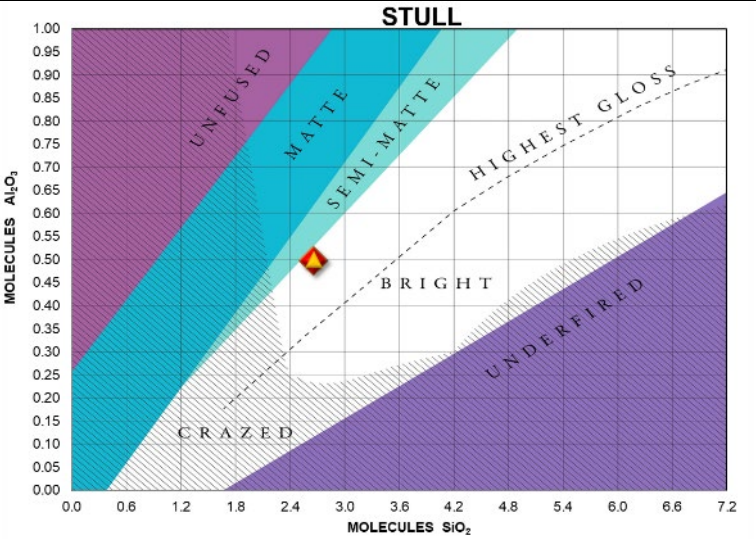
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 5.30 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.66	Collective "Al ₂ O ₃ " 0.50	Na ₂ O 0.18	K ₂ O 0.03	MgO 0.00	CaO 0.70
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.50	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



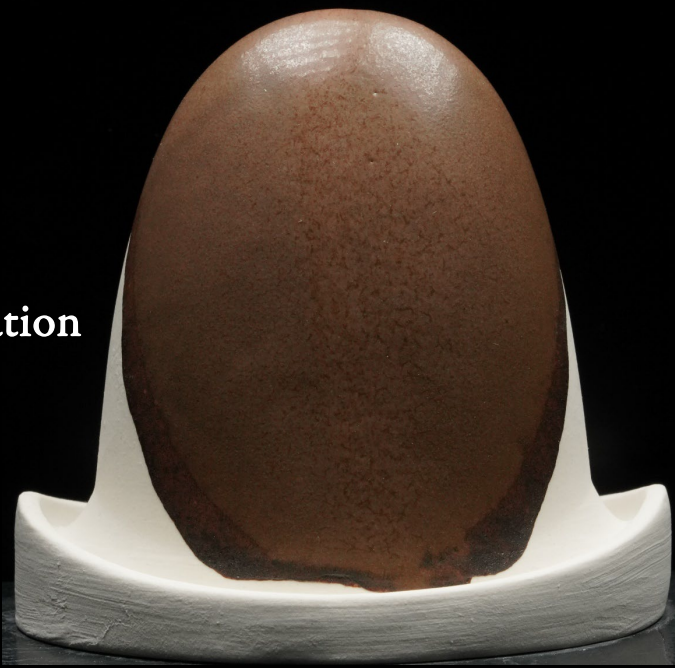
Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.08
Whiting	15.37
EPK	31.97
Flint	11.85
3134	14.47
Red Iron Oxide	5.50
Manganese Dioxide	2.75
Water	150



1-3 Second Dip



2-3 Second Dips

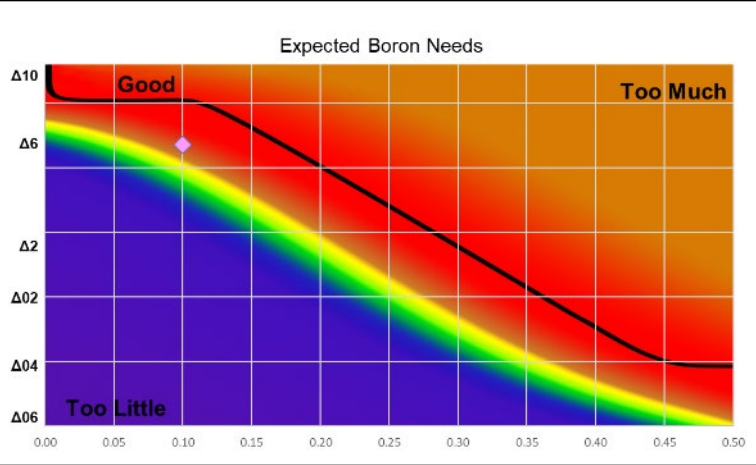
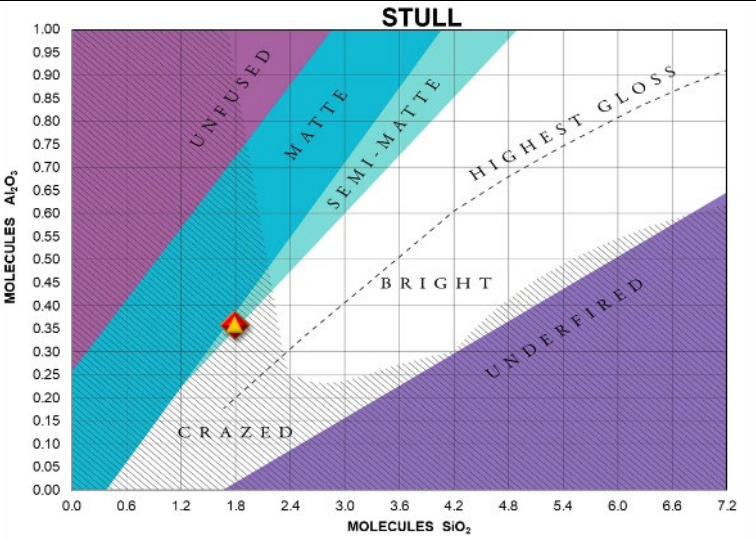


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.97 :1		Alkali Metals 0.15		Alkaline Earths 0.85	
SiO ₂ 1.79	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.13	K ₂ O 0.02	MgO 0.00	CaO 0.50
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.27
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.07	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.17
Whiting	15.44
EPK	32.12
Flint	11.90
3134	14.53
Red Iron Oxide	5.53
Nickel Carb (Green)	2.30
Water	150



1-3 Second Dip



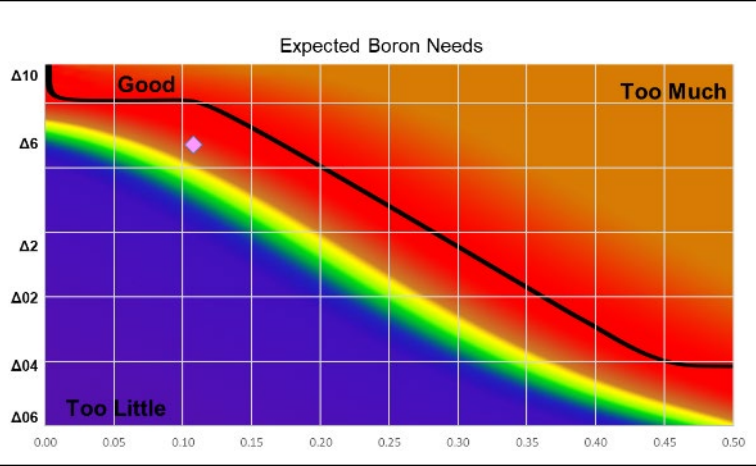
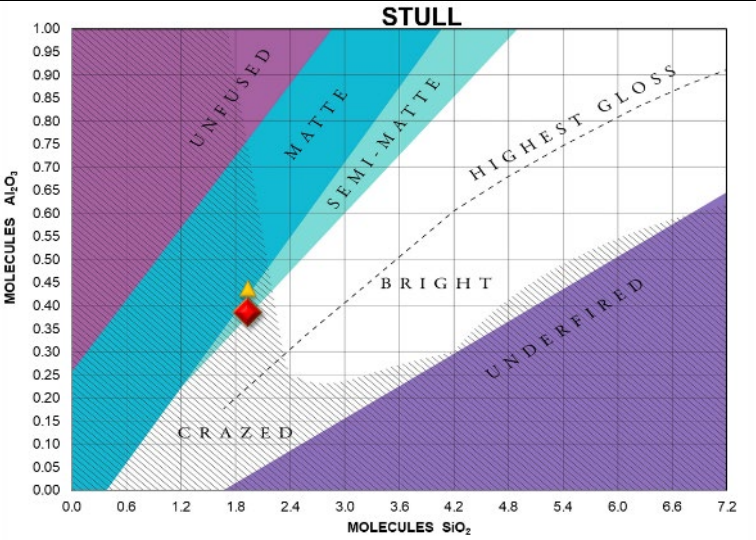
2-3 Second Dips



Reduction



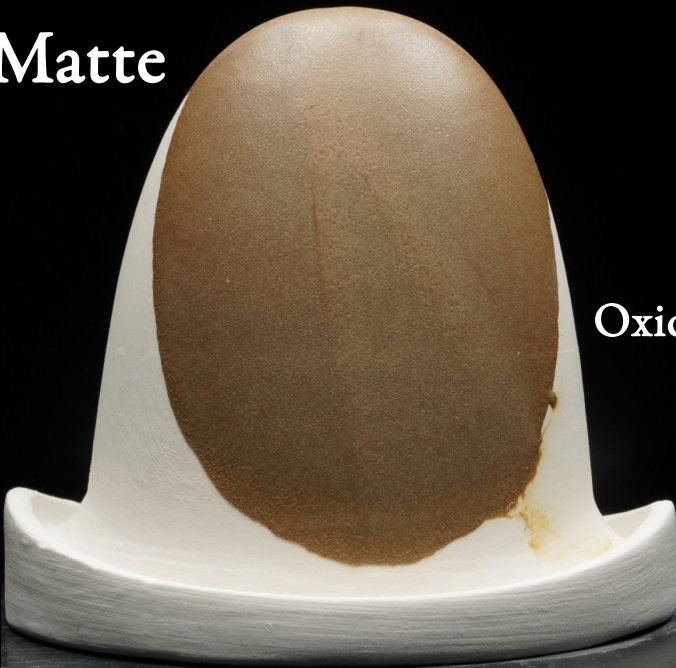
SiO ₂ :Al ₂ O ₃ Ratio 4.41 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 1.94	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.14	K ₂ O 0.03	MgO 0.00	CaO 0.54
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.29
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.60
Whiting	14.96
EPK	31.12
Flint	11.53
3134	14.08
Red Iron Oxide	5.36
Titanium Dioxide	5.36
Water	150



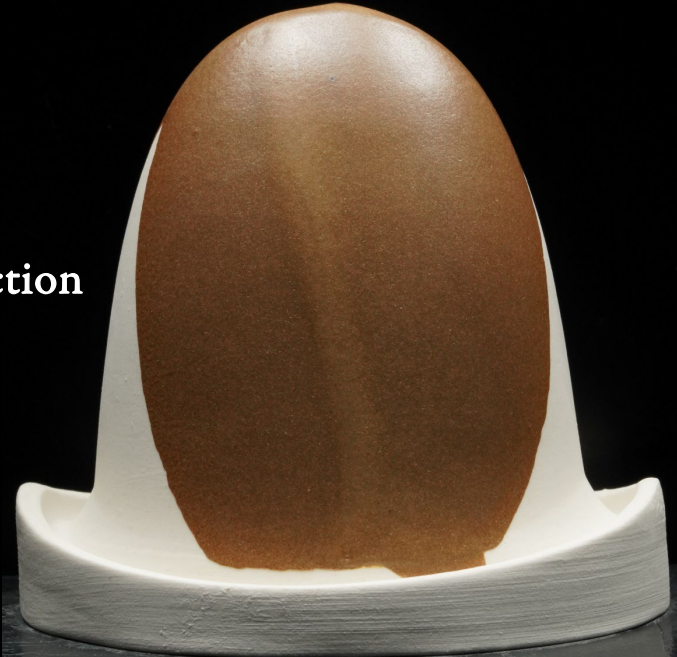
1-3 Second Dip



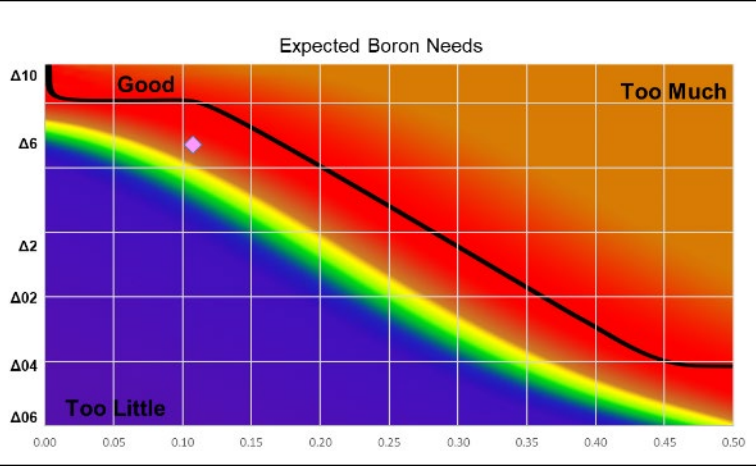
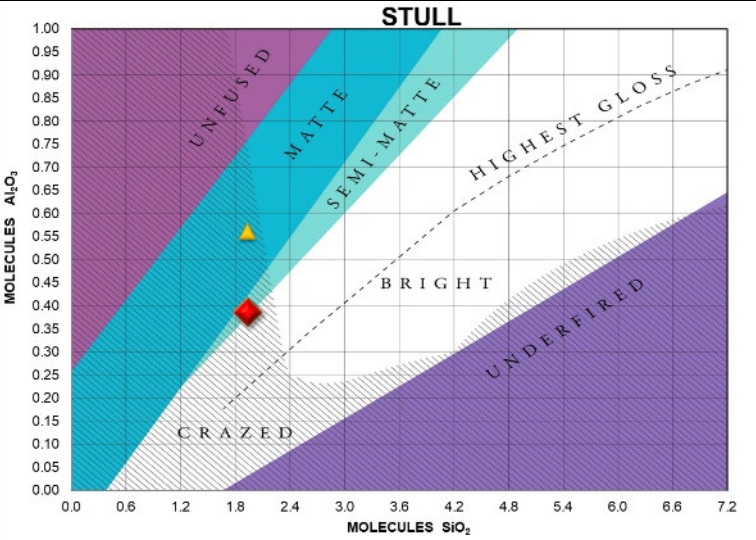
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 3.44 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 1.94	Collective "Al ₂ O ₃ " 0.56	Na ₂ O 0.14	K ₂ O 0.03	MgO 0.00	CaO 0.54
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.18	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.29
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



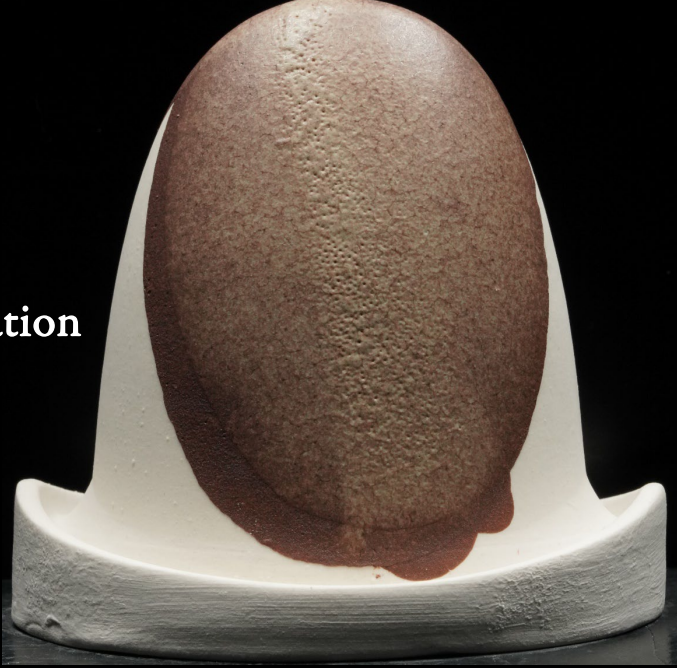
Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.76
Whiting	15.09
EPK	31.40
Flint	11.63
3134	14.21
Red Iron Oxide	5.41
Tin Oxide	4.50
Water	150



1-3 Second Dip



2-3 Second Dips

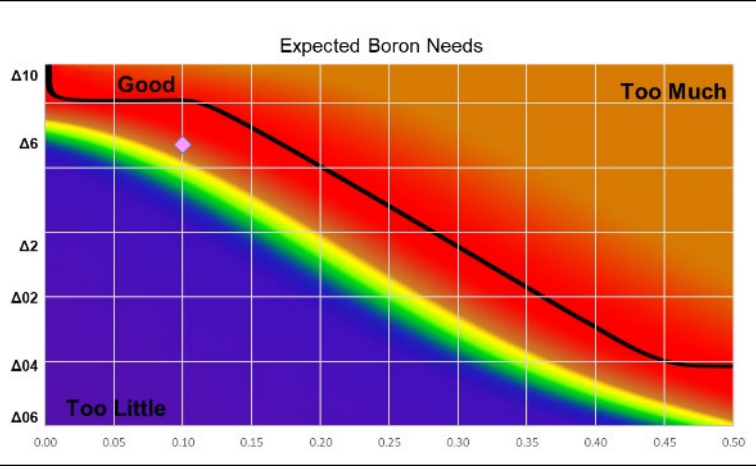
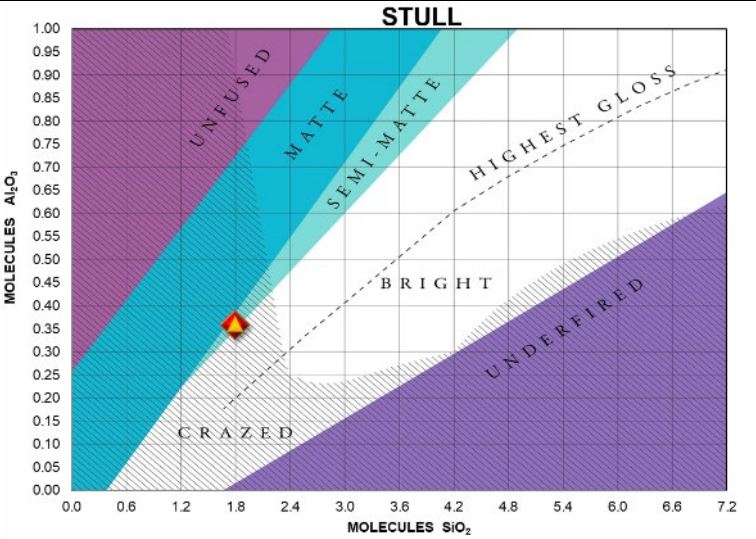


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 1.80	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.13	K ₂ O 0.02	MgO 0.00	CaO 0.50
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.07	ZnO	FeO 0.27
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

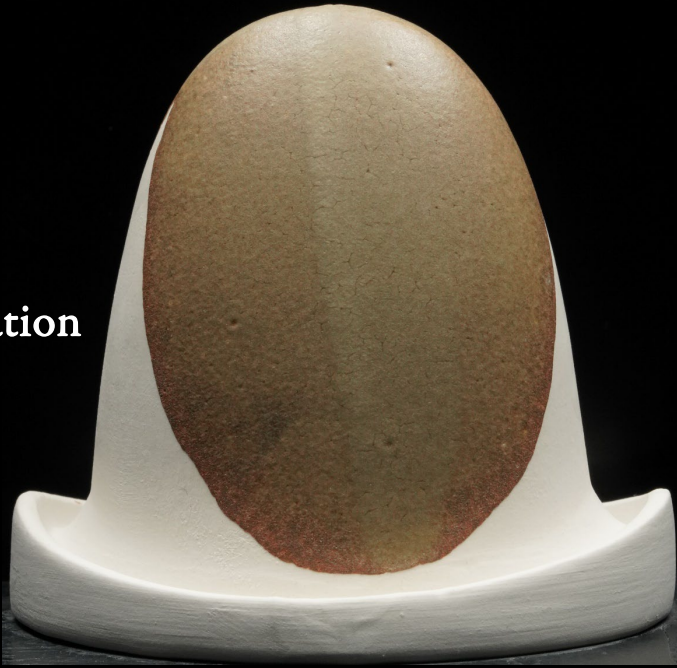
Katz Burke Matte

Neph Sy	16.99
Whiting	14.44
EPK	30.04
Flint	11.13
3134	13.59
Red Iron Oxide	5.17
Ultrox (Zircopax)	8.62
Water	150



Oxidation

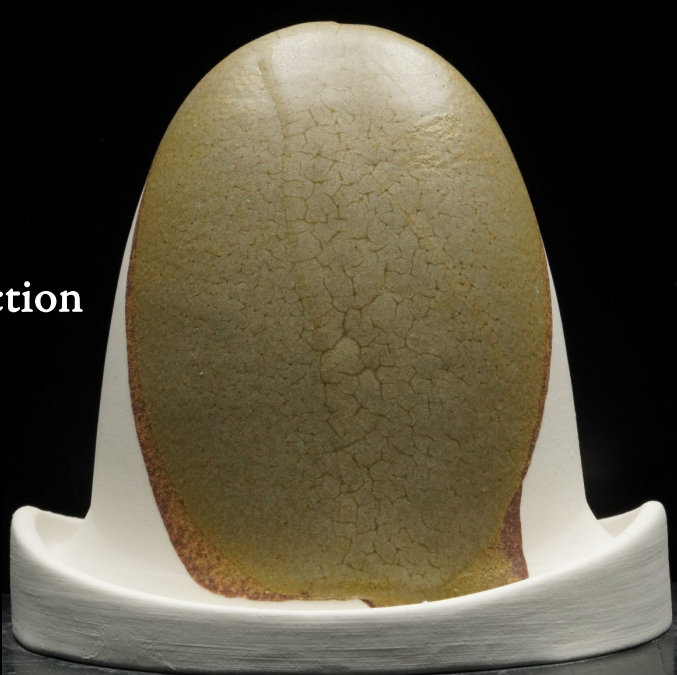
1-3 Second Dip



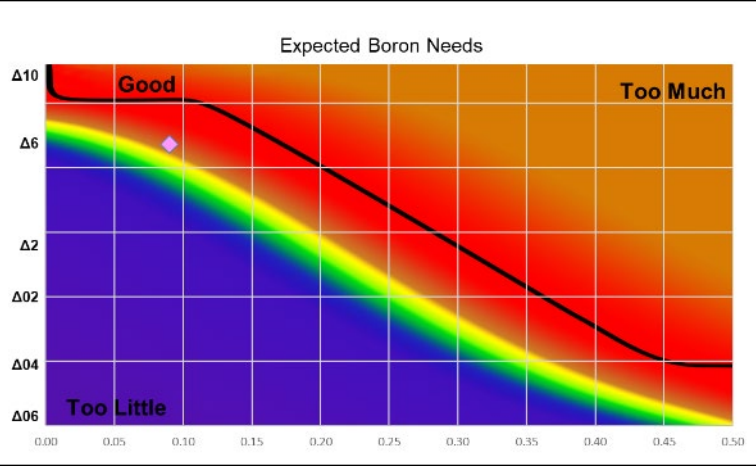
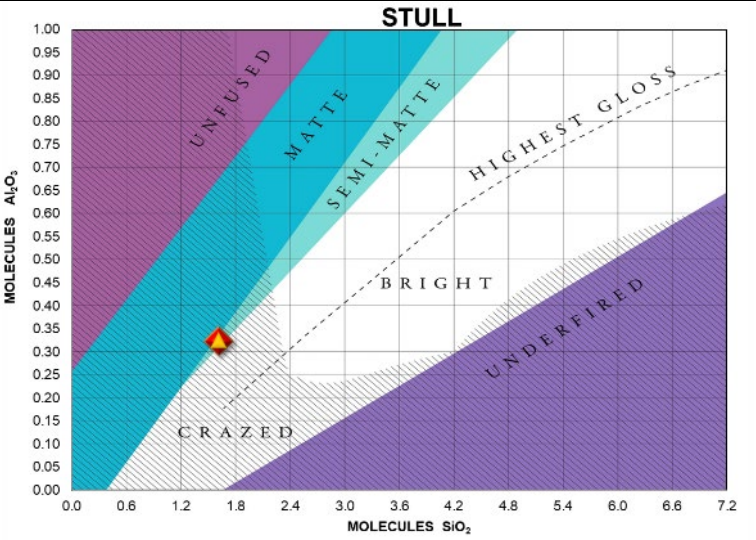
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.14		Alkaline Earths 0.86	
SiO ₂ 1.62	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.12	K ₂ O 0.02	MgO 0.00	CaO 0.45
B ₂ O ₃ 0.09	Al ₂ O ₃ 0.32	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.24
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.16



Ceramic
Materials
Workshop

Katz Burke Matte

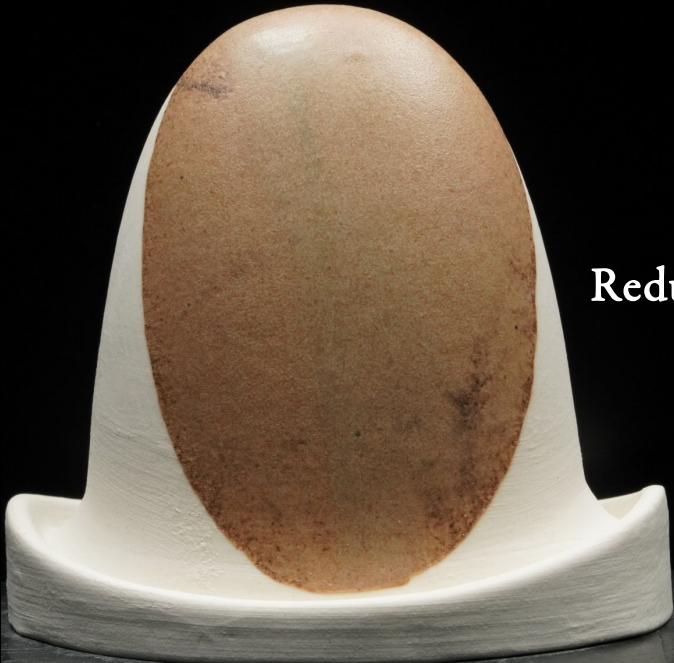
Neph Sy	18.68
Whiting	15.88
EPK	33.03
Flint	12.24
3134	14.95
Manganese Dioxide	2.84
Nickel Carb (Green)	2.37
Water	150



1-3 Second Dip



2-3 Second Dips

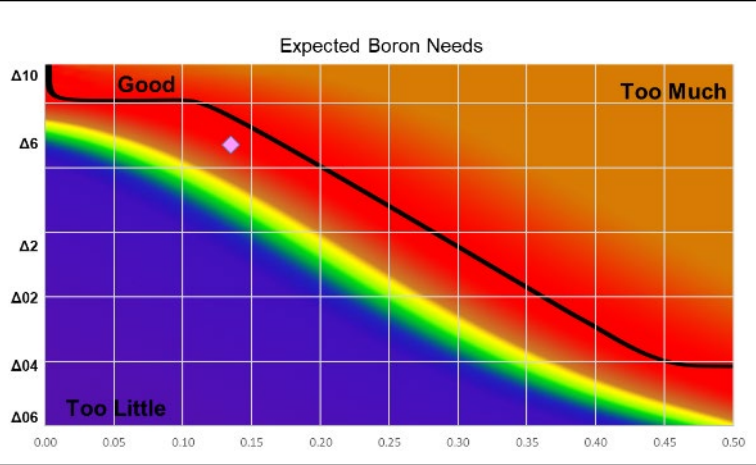
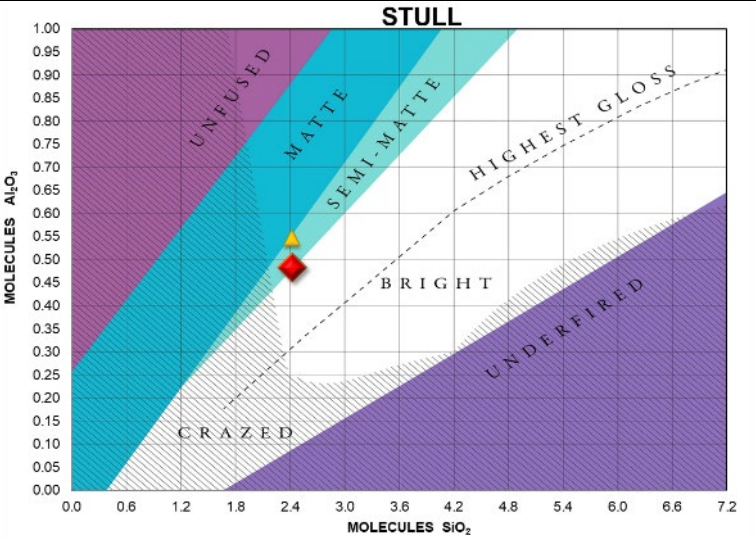


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.41 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.42	Collective "Al ₂ O ₃ " 0.55	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.10	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

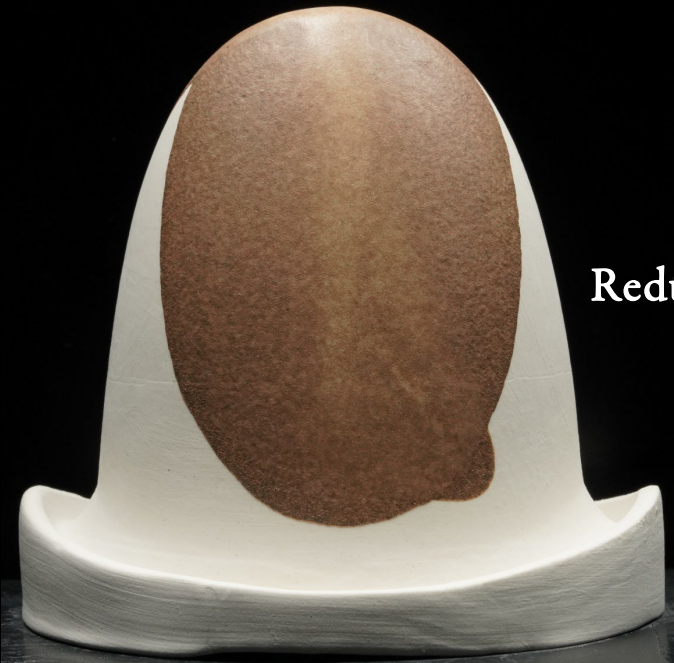
Neph Sy	18.08
Whiting	15.37
EPK	31.97
Flint	11.85
3134	14.47
Manganese Dioxide	2.75
Titanium Dioxide	5.50
Water	150



1-3 Second Dip



2-3 Second Dips

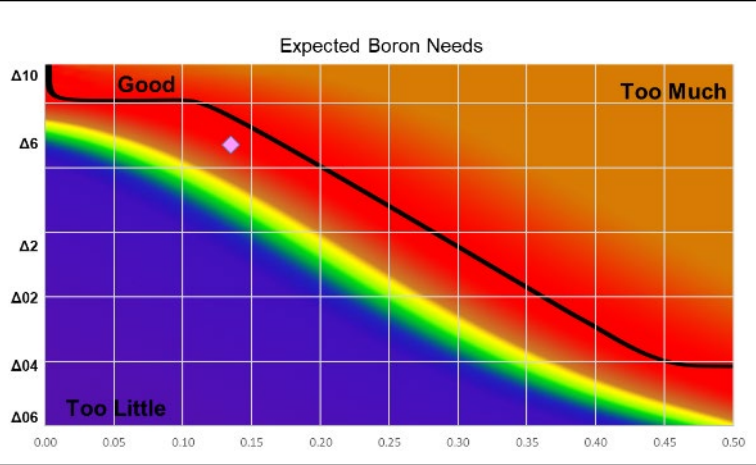
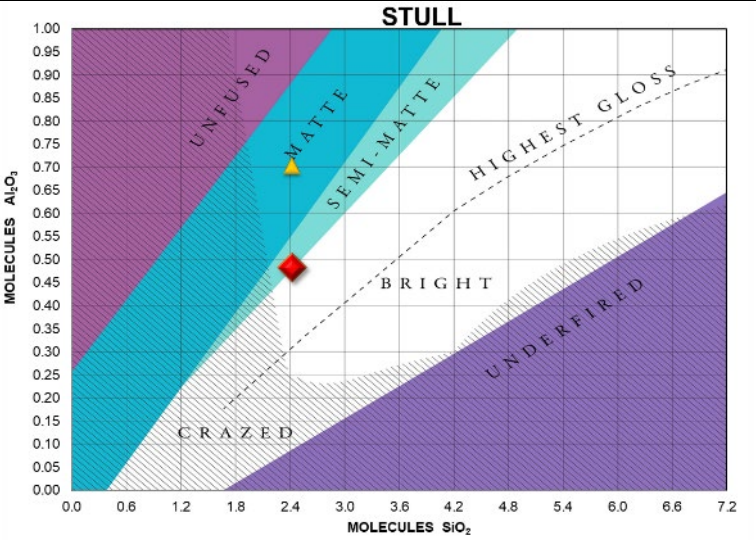


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 3.44 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.42	Collective "Al ₂ O ₃ " 0.70	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.22	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.10	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.25
Whiting	15.51
EPK	32.27
Flint	11.96
3134	14.60
Manganese Dioxide	2.78
Tin Oxide	4.63
Water	150



1-3 Second Dip



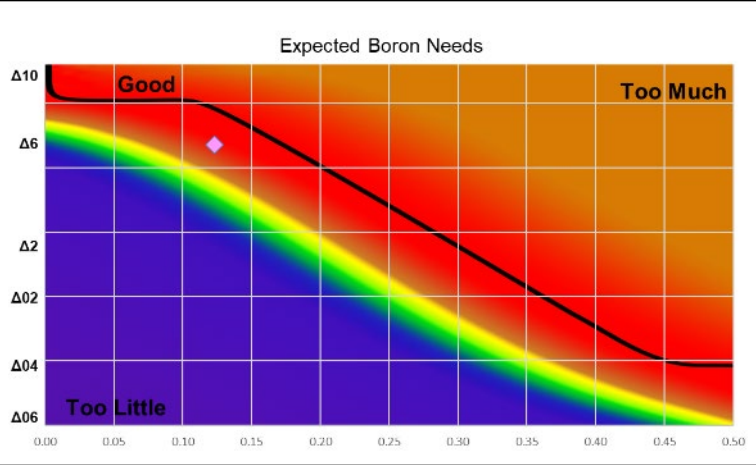
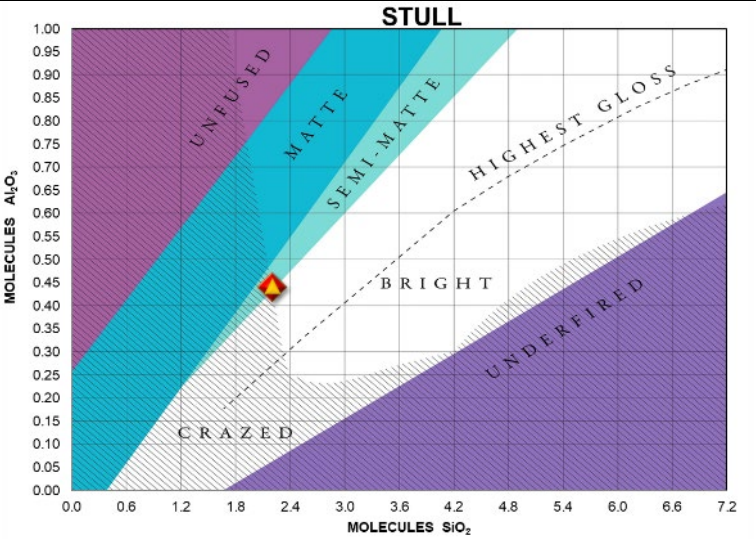
2-3 Second Dips



Reduction



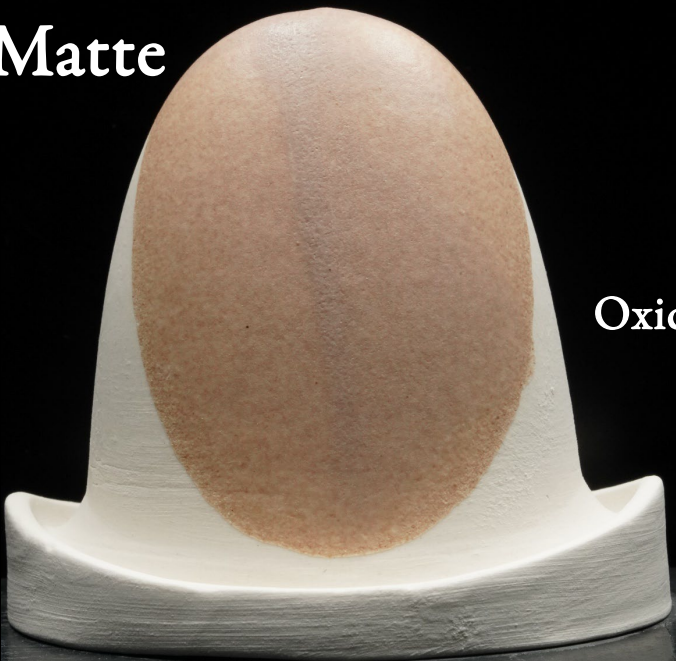
SiO ₂ :Al ₂ O ₃ Ratio 4.97 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.21	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.16	K ₂ O 0.03	MgO 0.00	CaO 0.62
B ₂ O ₃ 0.12	Al ₂ O ₃ 0.44	Li ₂ O 0.00	CuO 0.00	SrO 0.00	BaO 0.00
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.09	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.09	CoO 0.00



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.44
Whiting	14.83
EPK	30.84
Flint	11.43
3134	13.96
Manganese Dioxide	2.65
Ultrax (Zircopax)	8.85
Water	150



1-3 Second Dip



2-3 Second Dips

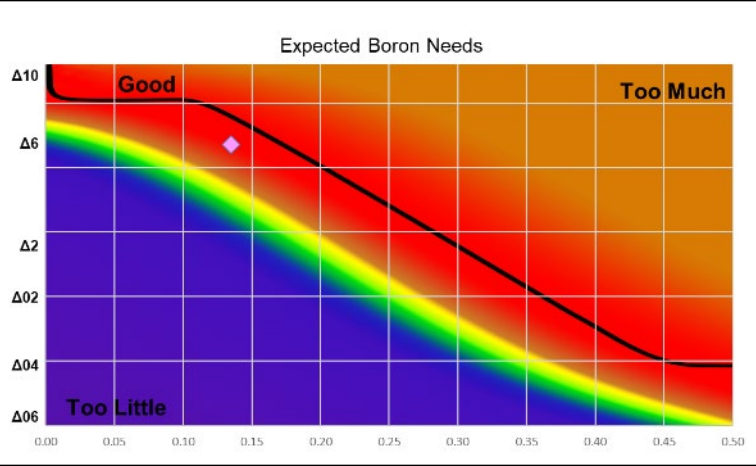
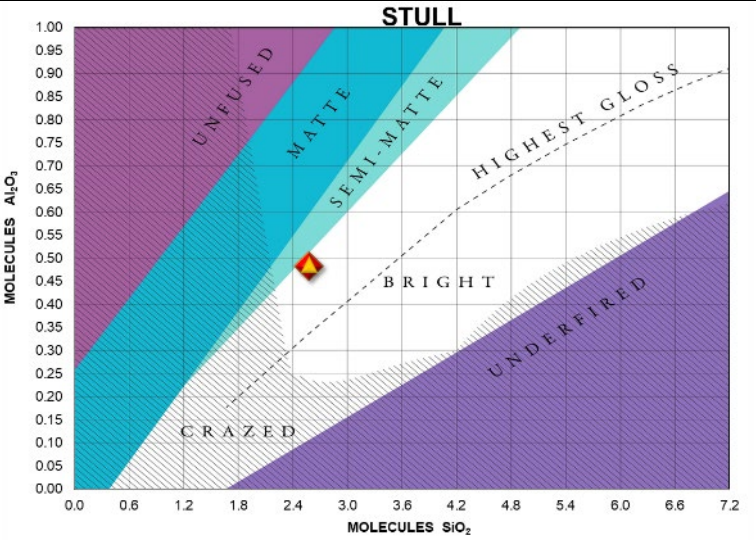


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.30 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.58	Collective "Al ₂ O ₃ " 0.49	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.10	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

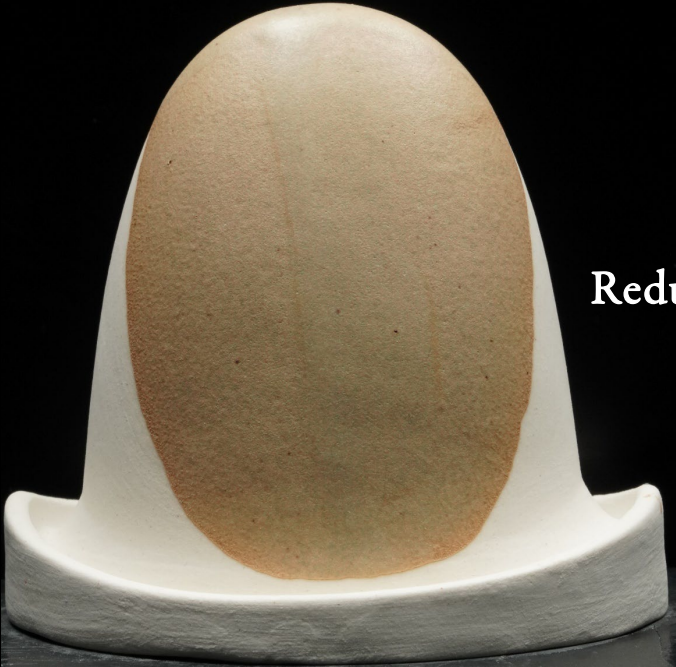
Neph Sy	18.17
Whiting	15.44
EPK	32.12
Flint	11.90
3134	14.53
Nickel Carb (Green)	2.30
Titanium Dioxide	5.53
Water	150



1-3 Second Dip



2-3 Second Dips

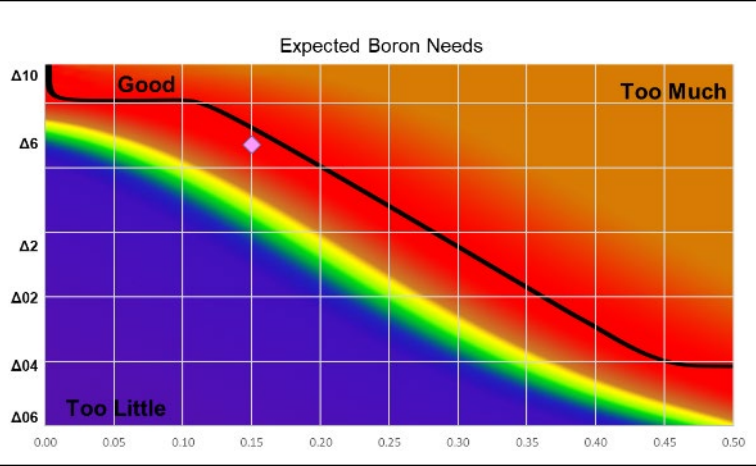
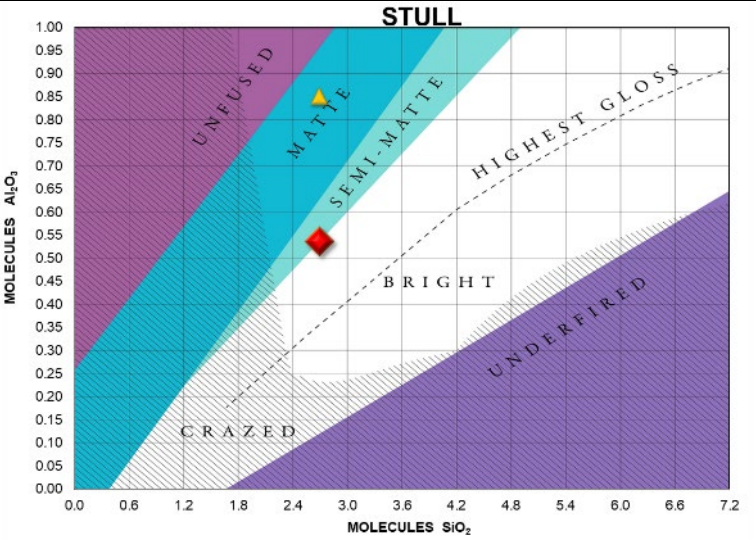


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 3.16 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.69	Collective "Al ₂ O ₃ " 0.85	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.25	NiO 0.07	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	18.34
Whiting	15.59
EPK	32.42
Flint	12.01
3134	14.67
Nickel Carb (Green)	2.33
Tin Oxide	4.65
Water	150



1-3 Second Dip



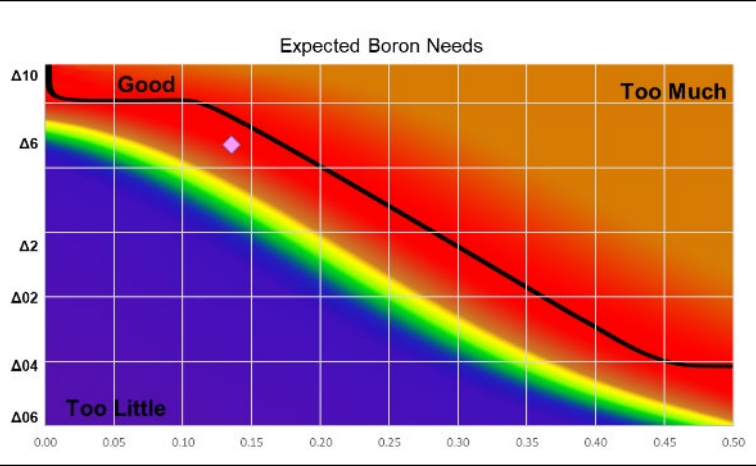
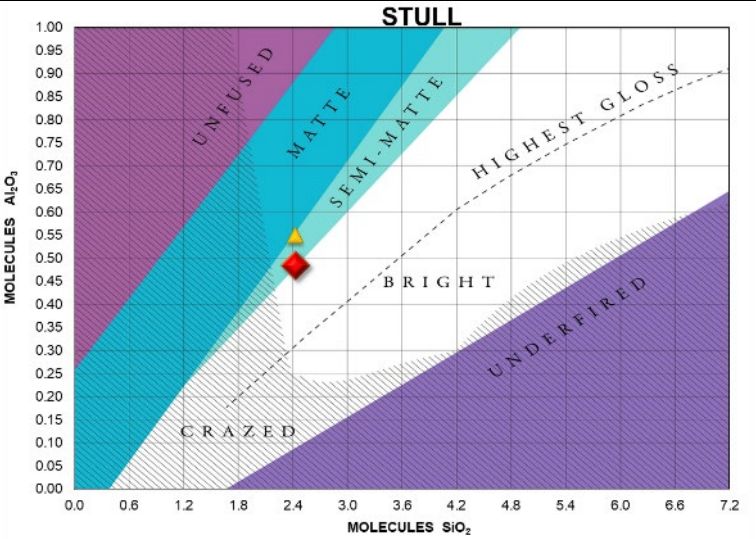
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.41 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.43	Collective "Al ₂ O ₃ " 0.55	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.48	Li ₂ O 0.00	CuO 0.00	SrO 0.00	BaO 0.00
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃ 0.00	SnO ₂ 0.10	ZnO 0.00	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.52
Whiting	14.89
EPK	30.98
Flint	11.48
3134	14.02
Nickel Carb (Green)	2.22
Ultrox (Zircopax)	8.89
Water	150



1-3 Second Dip



2-3 Second Dips

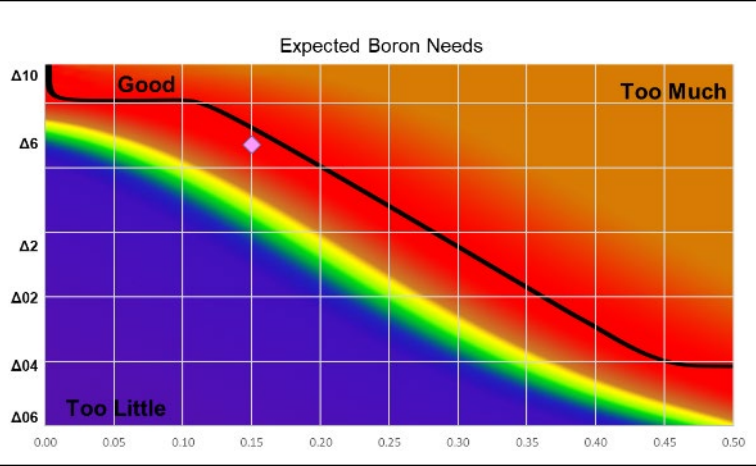
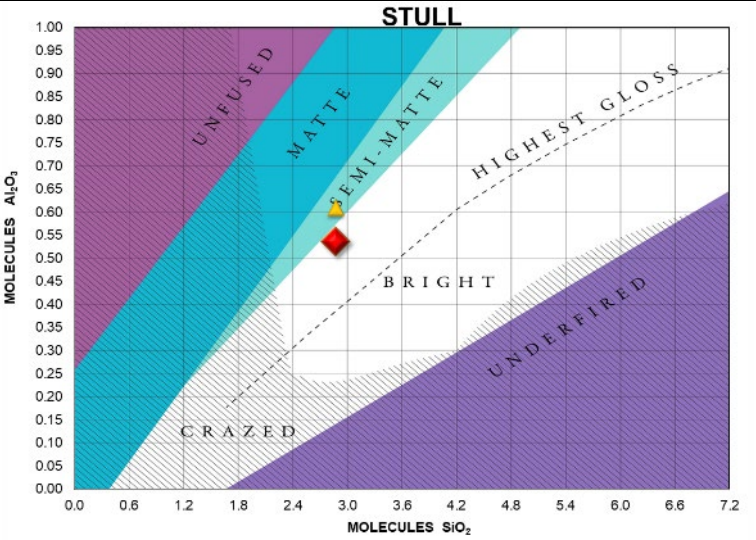


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.70 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.87	Collective "Al ₂ O ₃ " 0.61	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO 0.07	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.76
Whiting	15.09
EPK	31.40
Flint	11.63
3134	14.21
Titanium Dioxide	5.41
Tin Oxide	4.50
Water	150



1-3 Second Dip



2-3 Second Dips

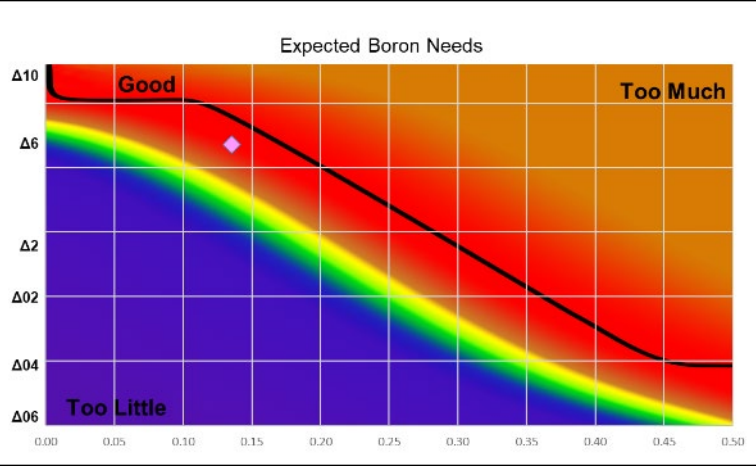
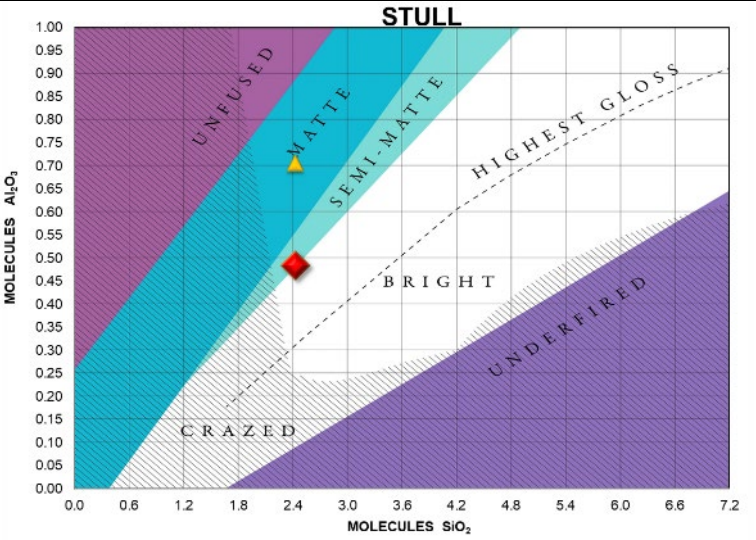


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 3.44 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.43	Collective "Al ₂ O ₃ " 0.71	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.22	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	16.99
Whiting	14.44
EPK	30.04
Flint	11.13
3134	13.59
Titanium Dioxide	5.17
Ultrax (Zircopax)	8.62
Water	150



1-3 Second Dip



2-3 Second Dips

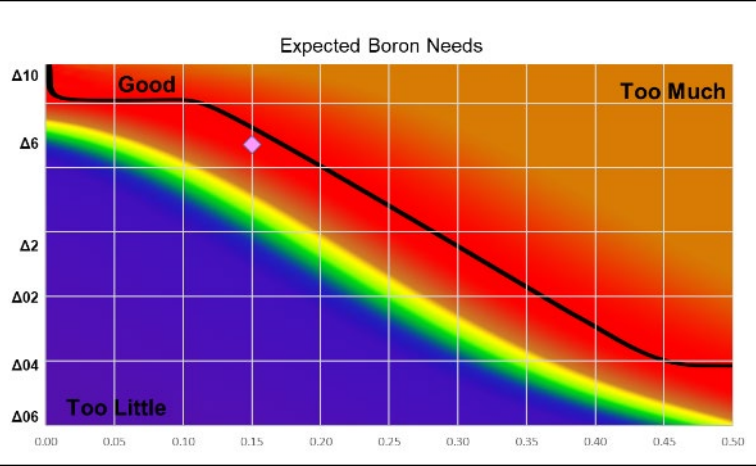
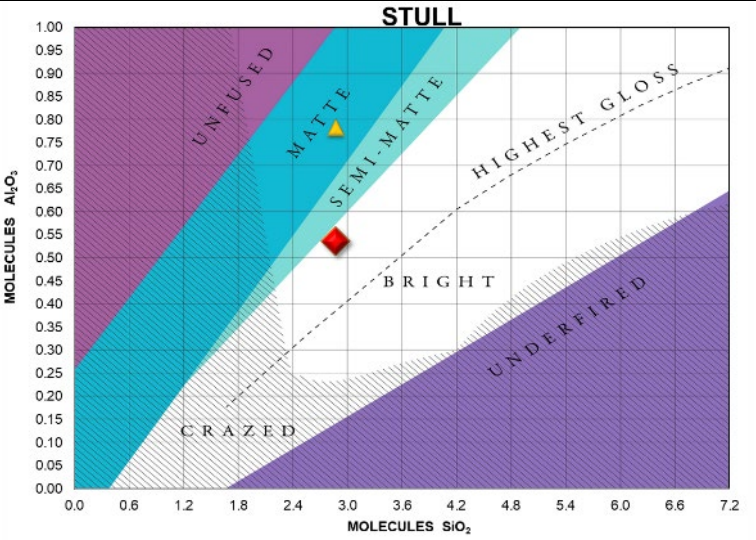


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 3.67 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.87	Collective "Al ₂ O ₃ " 0.78	Na ₂ O 0.19	K ₂ O 0.03	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.54	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.25	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Burke Matte

Neph Sy	17.14
Whiting	14.57
EPK	30.30
Flint	11.23
3134	13.71
Tin Oxide	4.35
Ultrox (Zircopax)	8.70
Water	150



1-3 Second Dip



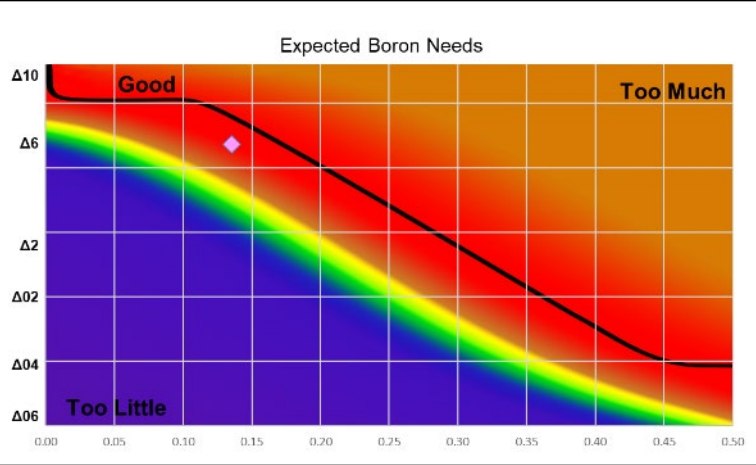
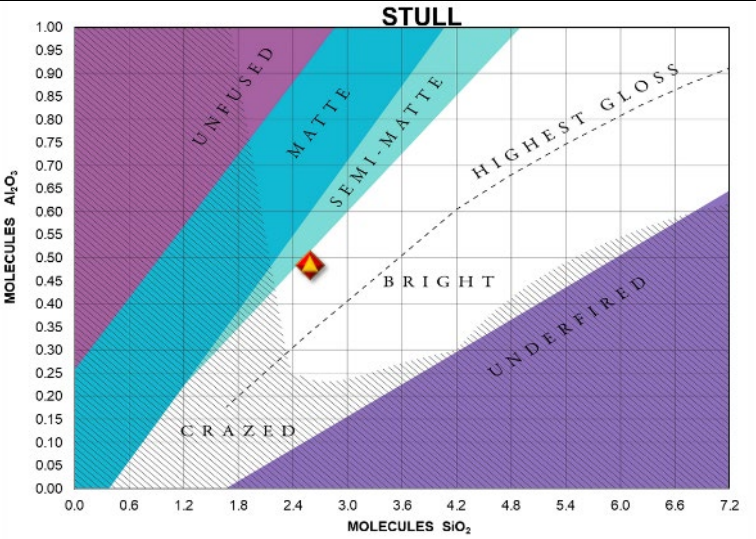
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 5.30 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.59	Collective "Al ₂ O ₃ " 0.49	Na ₂ O 0.17	K ₂ O 0.03	MgO 0.00	CaO 0.68
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.48	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop