Black Stain—Cone 10

- Black Iron Oxide...............250 g
- Cobalt Carbonate...............150 g
- Manganese Dioxide.............100 g
- Chrome Oxide...................50 g
- Gerstley Borate...............100 g

Stain Base

- Nepheline Syenite...............1 part
- Gerstley Borate................1 part
- Tri-Calcium Phosphate (bone ash)........1 part
- Frit 3110.....................1 part

*For Iron:* + 8 parts Red Iron Oxide
  + 8 parts Albany Slip (or appropriate substitute)

*For Rutile:* + 8 parts Rutile Oxide

*For Cobalt:* + 5 parts Cobalt Carbonate

Formulas above posted by Bridget Hauser at
http://www.lmrapotterystudio.com/pages/glazenfire.html

We welcome your contribution to the Gerstley Borate Glaze Resource.
Please send your formulation along with a picture of the fired glaze to:
bryan@lagunaclay.com

The formulations in this document are untested. Please test before batching.
www.lagunaclay.com
Formulas from John Post
www.johnpost.com

Pete's Tomato Red #13

Frit 3134..........................11%
Nepheline syenite............23.6%
Bone ash.......................7.9%
Magnesium carb..........6.3%
Whiting.........................7.9%
EPK............................21.6%
Flint..........................21.7%

Total 100 %
Bentonite......................2%
Red iron oxide..............10%

Notes:
This is glaze number 13 from the first Currie grid that I ran of
Pete's Tomato Red # 3 from Clay Times.
I also ran a line blend of this glaze using natural red iron oxide in
increments from 0-20%. This glaze has the most red color with 10% red
iron. It is a mottled greenish-red with 8% red iron and a darker
red with 12% red iron.

The formulations in this document are untested. Please test before batching.
Laguna Clay Company Compilation  
Gerstley Borate Formulations (test before batching)

Base recipe by Judith Marks  
Crater Rim Ceramics, Hawaii  
http://www.jqjacobs.net/art/glazes2.html

<table>
<thead>
<tr>
<th>Material</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Custer feldspar</td>
<td>340</td>
</tr>
<tr>
<td>Silica</td>
<td>236</td>
</tr>
<tr>
<td>Whiting</td>
<td>144</td>
</tr>
<tr>
<td>Talc</td>
<td>32</td>
</tr>
<tr>
<td>Bone ash</td>
<td>16</td>
</tr>
<tr>
<td>Epk kaolin</td>
<td>8</td>
</tr>
<tr>
<td>Gerstley borate</td>
<td>9</td>
</tr>
<tr>
<td>Bentonite</td>
<td>8</td>
</tr>
<tr>
<td>Copper carbonate</td>
<td>8</td>
</tr>
<tr>
<td>Cobalt carbonate</td>
<td>4</td>
</tr>
</tbody>
</table>

Blue Hawaii  Cone 7

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Laguna Clay Company Compilation
Gerstley Borate Formulations (test before batching)

Robin McAlister, director
Albertus Magnus College
http://www.jnevins.com/cone6glazes.htm

Schefflin Yellow – Cone 5-6
Gerstley Borate....................... 50
EPK........................................15
Flint........................................35
Total .......................... 100

Dark Rutile 15

Notes: Creamy yellow

Schefflin Blue—Cone 5-6
Gerstley Borate.......................50
EPK........................................15
Flint........................................35
Total: .......................... 100

Cobalt Oxide 2
Red Iron Oxide 3

Notes: Glossy navy blue. Works well with Sarah's Folly.

Floating blue cone 6 ox. --- Cone 5-6
neph sye.................................47.3
gerstely borate..........................27.
silica........................................20.3
kaolin...................................... 5.4
red iron ox............................ 2
cobalt carb......................... 1
rutile...................................... 4
bentonite............................... 2

This glaze has been around the bend a few million times, must have been posted here on clayart many times. Its a glossy tan background with lots of blue floating. It's an absolutely reliable glaze, doesn't run, pinhole etc. you can't go wrong with it.

The formulations in this document are untested. Please test before batching.
VC "71"
Custer Spar.........................40
Gerstley Borate...................9
Whiting.............................16
Talc.....................................9
Epk....................................10
Flint..................................16

Flick Ketchup – Cone 5-6

Gerstley Borate.................32
Talc.................................14
Flint..............................30
Kona F4..........................20
EPK.................................4
Total .............................100

Red Iron Oxide..................15
Bentonite.........................2

Notes: Satin matte, rich reddish brown.

Faux Celadon – Cone 5-6

Kona F4............................41
Flint..............................19
Superpax*.........................11
Gerstley Borate...............11
Whiting............................7
Dolomite............................5
Zinc Oxide.........................2
Tenn Ball Clay....................1
Bentonite.........................2
Total ..............................99

Copper Carbonate...............2.5

Notes: *Superpax replaces zircopax. Superpax is stronger so use 1% less, so the recipe was altered to reflect that difference. Originally the recipe called for 12% zircopax.

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Laguna Clay Company Compilation
Gerstley Borate Formulations (test before batching)

Breaking Out Red -- Cone 5-6

Gerstley Borate.......................55
Talc......................................15
Flint......................................30
Total......................................100

Red Iron Oxide.........................22
Bentonite....................................2

Notes: Color variations with carved or textured surfaces.

Forest Green-- Cone 5-6

Gerstley Borate.................49 1470 2940 3920
EPK.................................19  570 1140 1520
Flint.................................32  960 1920 2560
Total....................................100 3000 6000 8000

Soda Ash ......................... 0.2   6   12   16
Chrome............................  2  60  120  160
Cobalt Carbonate ............  1  30   60   80
Bentonite............................  2  60  120  160

Notes: Use chromium oxide for chrome.
Glaze is a glossy deep green color.
Can use 5% zircopax for a white.

The formulations in this document are untested. Please test before batching.
Laguna Clay Company Compilation
Gerstley Borate Formulations (test before batching)

Sarah's Folly – Cone 5-6

Gerstley Borate....................... 7.5
Talc ...........................................5.4
Dolomite....................................3.3
Kona F4.................................16.6
Nepheline Syenite....................32.9
Whiting....................................7.1
Zinc Oxide..............................6.6
EPK ...........................................12.5
Flint........................................8

Cobalt Oxide* ............................2
or
Cobalt Carbonate** .................2
Bentonite .................................2

Notes: *Using cobalt oxide will give a deep blue-purple
**Using cobalt carbonate will give a pinkish-purple

The formulations in this document are untested. Please test before batching.