

|   |             |                      |             |                 |             |                 |             |                |             |                   |             |                |               |                |             |                  |                |                 |             |                 |             |                 |                |                |               |                |              |                |                 |                |  |
|---|-------------|----------------------|-------------|-----------------|-------------|-----------------|-------------|----------------|-------------|-------------------|-------------|----------------|---------------|----------------|-------------|------------------|----------------|-----------------|-------------|-----------------|-------------|-----------------|----------------|----------------|---------------|----------------|--------------|----------------|-----------------|----------------|--|
| <br>THE GENERIC MAPPING TOOLS | SNOW        |                      | GHOSTWHITE  |                 | FLORALWHITE |                 | SEASHELL    |                | OLDLACE     |                   | LINEN       |                | ANTIQUEWHITE  |                | PAPAYAWHIP  |                  | BLANCHEDALMOND |                 | BISQUE      |                 | PEACHPUFF   |                 | NAVAJOWHITE    |                | MOCCASIN      |                | LEMONCHIFFON |                | CORN SILK       |                |  |
|   | 255/250/250 |                      | 248/248/255 |                 | 255/250/240 |                 | 255/245/238 |                | 253/245/230 |                   | 250/240/230 |                | 250/235/215   |                | 255/239/213 |                  | 255/235/205    |                 | 255/228/196 |                 | 255/218/185 |                 | 255/222/173    |                | 255/228/181   |                | 255/250/205  |                | 255/248/220     |                |  |
|   | IVORY       |                      | HONEYDEW    |                 | MINTCREAM   |                 | AZURE       |                | ALICEBLUE   |                   | LAVENDER    |                | LAVENDERBLUSH |                | MISTYROSE   |                  | MIDNIGHTBLUE   |                 | NAVY        |                 | NAVYBLUE    |                 | CORNFLOWERBLUE |                | DARKSLATEBLUE |                | SLATEBLUE    |                | MEDIUMSLATEBLUE |                |  |
| 255/255/240   |             | 240/255/240          |             | 245/255/250     |             | 240/255/255     |             | 240/248/255    |             | 230/230/250       |             | 255/240/245    |               | 255/228/225    |             | 25/25/112        |                | 0/0/128         |             | 0/0/128         |             | 100/149/237     |                | 72/61/139      |               | 106/90/205     |              | 123/104/238    |                 |                |  |
| LIGHTSLATEBLUE  |             | MEDIUMBLUE           |             | ROYALBLUE       |             | BLUE            |             | DARKBLUE       |             | DODGERBLUE        |             | STEELBLUE      |               | DEEPSKYBLUE    |             | SKYBLUE          |                | LIGHTSKYBLUE    |             | LIGHTSLATEGRAY  |             | SLATEGRAY       |                | LIGHTSTEELBLUE |               | LIGHTBLUE      |              | LIGHTCYAN      |                 | POWDERBLUE     |  |
| 132/112/255   |             | 0/0/205              |             | 65/105/225      |             | 0/0/255         |             | 0/0/139        |             | 30/144/255        |             | 70/130/180     |               | 0/191/255      |             | 135/206/235      |                | 135/206/250     |             | 119/136/153     |             | 112/128/144     |                | 176/196/222    |               | 173/216/230    |              | 224/255/255    |                 | 176/224/230    |  |
| PALETURQUOISE   |             | CADETBLEU            |             | DARKTURQUOISE   |             | MEDIUMTURQUOISE |             | TURQUOISE      |             | CYAN              |             | DARKCYAN       |               | DARKSLATEGRAY  |             | MEDIUMAQUAMARINE |                | AQUAMARINE      |             | DARKGREEN       |             | LIGHTGREEN      |                | DARKSEAGREEN   |               | SEAGREEN       |              | MEDIUMSEAGREEN |                 | LIGHTSEAGREEN  |  |
| 175/238/238   |             | 95/158/160           |             | 0/206/209       |             | 72/209/204      |             | 64/224/208     |             | 0/255/255         |             | 0/139/139      |               | 47/79/79       |             | 102/205/170      |                | 127/255/212     |             | 0/100/0         |             | 144/238/144     |                | 143/188/143    |               | 46/139/87      |              | 60/179/113     |                 | 32/178/170     |  |
| PALEGREEN   |             | SPRINGGREEN          |             | LAWNGREEN       |             | GREEN           |             | CHARTREUSE     |             | MEDIUMSPRINGGREEN |             | GREENYELLOW    |               | LIMEGREEN      |             | YELLOWGREEN      |                | FORESTGREEN     |             | OLIVEDRAB       |             | DARKOLIVEGREEN  |                | DARKKHAKI      |               | KHAKI          |              | PALEGOLDENROD  |                 | LIGHTGOLDENROD |  |
| 152/251/152   |             | 0/255/127            |             | 124/252/0       |             | 0/255/0         |             | 127/255/0      |             | 0/250/154         |             | 173/255/47     |               | 50/205/50      |             | 154/205/50       |                | 34/139/34       |             | 107/142/35      |             | 85/107/47       |                | 189/183/107    |               | 240/230/140    |              | 238/232/170    |                 | 238/221/130    |  |
| LIGHTYELLOW   |             | LIGHTGOLDENRODYELLOW |             | YELLOW          |             | DARKYELLOW      |             | GOLD           |             | GOLDENROD         |             | DARKGOLDENROD  |               | ROSBROWN       |             | INDIANRED        |                | SADDLEBROWN     |             | SIENNA          |             | PERU            |                | BURLYWOOD      |               | BEIGE          |              | WHEAT          |                 | SANDYBROWN     |  |
| 255/255/224   |             | 250/250/210          |             | 255/255/0       |             | 128/128/0       |             | 255/215/0      |             | 218/165/32        |             | 184/134/11     |               | 188/143/143    |             | 205/92/92        |                | 139/69/19       |             | 160/82/45       |             | 205/133/63      |                | 222/184/135    |               | 245/245/220    |              | 245/222/179    |                 | 244/164/96     |  |
| TAN   |             | CHOCOLATE            |             | FIREBRICK       |             | LIGHTBROWN      |             | BROWN          |             | DARKBROWN         |             | DARKSALMON     |               | SALMON         |             | LIGHTSALMON      |                | LIGHTORANGE     |             | ORANGE          |             | DARKORANGE      |                | CORAL          |               | LIGHTCORAL     |              | TOMATO         |                 | ORANGERED      |  |
| 210/180/140   |             | 210/105/30           |             | 178/34/34       |             | 235/190/85      |             | 165/42/42      |             | 120/60/30         |             | 233/150/122    |               | 250/128/114    |             | 255/160/122      |                | 255/192/128     |             | 255/165/0       |             | 255/140/0       |                | 255/127/80     |               | 240/128/128    |              | 255/99/71      |                 | 255/69/0       |  |
| RED   |             | LIGHTRED             |             | DARKRED         |             | DEEPPINK        |             | HOTPINK        |             | PINK              |             | LIGHTPINK      |               | PALEVIOLETRED  |             | MAROON           |                | MEDIUMVIOLETRED |             | VIOLETRED       |             | DARKMAGENTA     |                | MAGENTA        |               | LIGHTMAGENTA   |              | VIOLET         |                 | ORCHID         |  |
| 255/0/0   |             | 255/128/128          |             | 139/0/0         |             | 255/20/147      |             | 255/105/180    |             | 255/192/203       |             | 255/182/193    |               | 219/112/147    |             | 176/48/96        |                | 199/21/133      |             | 208/32/144      |             | 139/0/139       |                | 255/0/255      |               | 255/128/255    |              | 238/130/238    |                 | 218/112/214    |  |
| PLUM  |             | MEDIUMORCHID         |             | DARKORCHID      |             | DARKVIOLET      |             | BLUEVIOLET     |             | PURPLE            |             | MEDIUMPURPLE   |               | THISTLE        |             | BLACK            |                | DIMGRAY         |             | DARKGRAY        |             | GRAY            |                | LIGHTGRAY      |               | GAINSBORO      |              | WHITESMOKE     |                 | WHITE          |  |
| 221/160/221   |             | 186/85/211           |             | 153/50/204      |             | 148/0/211       |             | 138/43/226     |             | 160/32/240        |             | 147/112/219    |               | 216/191/216    |             | 0                |                | 105             |             | 169             |             | 190             |                | 211            |               | 220            |              | 245            |                 | 255            |  |
| SNOW1   |             | SNOW2                |             | SNOW3           |             | SNOW4           |             | SEASHELL1      |             | SEASHELL2         |             | SEASHELL3      |               | SEASHELL4      |             | ANTIQUEWHITE1    |                | ANTIQUEWHITE2   |             | ANTIQUEWHITE3   |             | ANTIQUEWHITE4   |                | BISQUE1        |               | BISQUE2        |              | BISQUE3        |                 | BISQUE4        |  |
| 255/250/250   |             | 238/233/233          |             | 205/201/201     |             | 139/137/137     |             | 255/245/238    |             | 238/229/222       |             | 259/197/191    |               | 139/134/130    |             | 255/239/219      |                | 238/223/204     |             | 205/192/176     |             | 139/131/120     |                | 255/228/196    |               | 238/213/183    |              | 205/183/158    |                 | 139/125/107    |  |
| PEACHPUFF1  |             | PEACHPUFF2           |             | PEACHPUFF3      |             | PEACHPUFF4      |             | NAVAJOWHITE1   |             | NAVAJOWHITE2      |             | NAVAJOWHITE3   |               | NAVAJOWHITE4   |             | LEMONCHIFFON1    |                | LEMONCHIFFON2   |             | LEMONCHIFFON3   |             | LEMONCHIFFON4   |                | CORN SILK1     |               | CORN SILK2     |              | CORN SILK3     |                 | CORN SILK4     |  |
| 255/218/185   |             | 238/203/173          |             | 205/175/149     |             | 139/119/101     |             | 255/222/173    |             | 238/207/161       |             | 205/179/139    |               | 139/121/94     |             | 255/250/205      |                | 238/233/191     |             | 205/201/165     |             | 139/137/112     |                | 255/248/220    |               | 238/232/205    |              | 205/200/177    |                 | 139/136/120    |  |
| IVORY1  |             | IVORY2               |             | IVORY3          |             | IVORY4          |             | HONEYDEW1      |             | HONEYDEW2         |             | HONEYDEW3      |               | HONEYDEW4      |             | LAVENDERBLUSH1   |                | LAVENDERBLUSH2  |             | LAVENDERBLUSH3  |             | LAVENDERBLUSH4  |                | MISTYROSE1     |               | MISTYROSE2     |              | MISTYROSE3     |                 | MISTYROSE4     |  |
| 255/255/240   |             | 238/238/224          |             | 205/205/193     |             | 139/139/131     |             | 240/255/240    |             | 224/238/224       |             | 193/205/193    |               | 131/139/131    |             | 255/240/245      |                | 238/224/229     |             | 162/181/197     |             | 139/131/134     |                | 255/228/225    |               | 238/213/210    |              | 205/183/181    |                 | 139/125/123    |  |
| AZURE1  |             | AZURE2               |             | AZURE3          |             | AZURE4          |             | SLATEBLUE1     |             | SLATEBLUE2        |             | SLATEBLUE3     |               | SLATEBLUE4     |             | ROYALBLUE1       |                | ROYALBLUE2      |             | ROYALBLUE3      |             | ROYALBLUE4      |                | BLUE1          |               | BLUE2          |              | BLUE3          |                 | BLUE4          |  |
| 240/255/255   |             | 224/238/238          |             | 193/205/205     |             | 131/139/139     |             | 131/111/255    |             | 122/103/238       |             | 105/89/205     |               | 71/60/139      |             | 72/118/255       |                | 67/110/238      |             | 58/95/205       |             | 39/64/139       |                | 0/0/255        |               | 0/0/238        |              | 0/0/205        |                 | 0/0/139        |  |
| DODGERBLUE1   |             | DODGERBLUE2          |             | DODGERBLUE3     |             | DODGERBLUE4     |             | STEELBLUE1     |             | STEELBLUE2        |             | STEELBLUE3     |               | STEELBLUE4     |             | DEEPSKYBLUE1     |                | DEEPSKYBLUE2    |             | DEEPSKYBLUE3    |             | DEEPSKYBLUE4    |                | SKYBLUE1       |               | SKYBLUE2       |              | SKYBLUE3       |                 | SKYBLUE4       |  |
| 30/144/255  |             | 28/134/238           |             | 24/116/205      |             | 16/78/139       |             | 99/184/255     |             | 92/172/238        |             | 79/148/205     |               | 54/100/139     |             | 0/191/255        |                | 0/178/238       |             | 0/154/205       |             | 0/104/139       |                | 135/206/255    |               | 126/192/238    |              | 108/166/205    |                 | 74/112/139     |  |
| LIGHTSKYBLUE1   |             | LIGHTSKYBLUE2        |             | LIGHTSKYBLUE3   |             | LIGHTSKYBLUE4   |             | SLATEGRAY1     |             | SLATEGRAY2        |             | SLATEGRAY3     |               | SLATEGRAY4     |             | LIGHTSLATEBLUE1  |                | LIGHTSLATEBLUE2 |             | LIGHTSTEELBLUE3 |             | LIGHTSTEELBLUE4 |                | LIGHTBLUE1     |               | LIGHTBLUE2     |              | LIGHTBLUE3     |                 | LIGHTBLUE4     |  |
| 176/226/255   |             | 164/211/238          |             | 141/182/205     |             | 96/123/139      |             | 198/226/255    |             | 185/211/238       |             | 159/182/205    |               | 108/123/139    |             | 202/225/255      |                | 188/210/238     |             | 162/181/205     |             | 110/123/238     |                | 191/239/255    |               | 178/223/238    |              | 154/192/205    |                 | 104/131/139    |  |
| LIGHTCYAN1  |             | LIGHTCYAN2           |             | LIGHTCYAN3      |             | LIGHTCYAN4      |             | PALETURQUOISE1 |             | PALETURQUOISE2    |             | PALETURQUOISE3 |               | PALETURQUOISE4 |             | CADETBLEU1       |                | CADETBLEU2      |             | CADETBLEU3      |             | CADETBLEU4      |                | TURQUOISE1     |               | TURQUOISE2     |              | TURQUOISE3     |                 | TURQUOISE4     |  |
| 224/255/255   |             | 209/238/238          |             | 180/205/205     |             | 122/139/139     |             | 187/255/255    |             | 174/238/238       |             | 150/205/205    |               | 102/139/139    |             | 152/245/255      |                | 142/229/238     |             | 122/197/205     |             | 83/134/139      |                | 0/245/255      |               | 0/229/238      |              | 0/197/205      |                 | 0/134/139      |  |
| CYAN1   |             | CYAN2                |             | CYAN3           |             | CYAN4           |             | DARKSLATEGRAY1 |             | DARKSLATEGRAY2    |             | DARKSLATEGRAY3 |               | DARKSLATEGRAY4 |             | AQUAMARINE1      |                | AQUAMARINE2     |             | AQUAMARINE3     |             | AQUAMARINE4     |                | DARKSEAGREEN1  |               | DARKSEAGREEN2  |              | DARKSEAGREEN3  |                 | DARKSEAGREEN4  |  |
| 0/255/255   |             | 0/238/238            |             | 0/205/205       |             | 0/139/139       |             | 151/255/255    |             | 141/238/238       |             | 121/205/205    |               | 82/139/139     |             | 127/255/212      |                | 118/238/198     |             | 102/205/170     |             | 69/139/116      |                | 193/255/193    |               | 180/238/180    |              | 155/205/155    |                 | 105/139/105    |  |
| SEAGREEN1   |             | SEAGREEN2            |             | SEAGREEN3       |             | SEAGREEN4       |             | PALEGREEN1     |             | PALEGREEN2        |             | PALEGREEN3     |               | PALEGREEN4     |             | SPRINGGREEN1     |                | SPRINGGREEN2    |             | SPRINGGREEN3    |             | SPRINGGREEN4    |                | GREEN1         |               | GREEN2         |              | GREEN3         |                 | GREEN4         |  |
| 84/255/159  |             | 78/238/148           |             | 67/205/128      |             | 46/139/87       |             | 154/255/154    |             | 144/238/144       |             | 124/205/124    |               | 84/139/84      |             | 0/255/127        |                | 0/238/118       |             | 0/205/102       |             | 0/139/69        |                | 0/255/0        |               | 0/238/0        |              | 0/205/0        |                 | 0/139/0        |  |
| CHARTREUSE1   |             | CHARTREUSE2          |             | CHARTREUSE3     |             | CHARTREUSE4     |             | OLIVEDRAB1     |             | OLIVEDRAB2        |             | OLIVEDRAB3     |               | OLIVEDRAB4     |             | DARKOLIVEGREEN1  |                | DARKOLIVEGREEN2 |             | DARKOLIVEGREEN3 |             | DARKOLIVEGREEN4 |                | KHAKI1         |               | KHAKI2         |              | KHAKI3         |                 | KHAKI4         |  |
| 127/255/0   |             | 118/238/0            |             | 102/205/0       |             | 69/139/0        |             | 192/255/62     |             | 179/238/58        |             | 154/205/50     |               | 105/139/34     |             | 202/255/112      |                | 188/238/104     |             | 162/205/90      |             | 110/139/61      |                | 255/246/143    |               | 238/230/133    |              | 205/198/115    |                 | 139/134/78     |  |
| LIGHTGOLDENROD1   |             | LIGHTGOLDENROD2      |             | LIGHTGOLDENROD3 |             | LIGHTGOLDENROD4 |             | LIGHTYELLOW1   |             | LIGHTYELLOW2      |             | LIGHTYELLOW3   |               | LIGHTYELLOW4   |             | YELLOW1          |                | YELLOW2         |             | YELLOW3         |             | YELLOW4         |                | GOLD1          |               | GOLD2          |              | GOLD3          |                 | GOLD4          |  |
| 255/236/139   |             | 238/220/130          |             | 205/190/112     |             | 139/129/76      |             | 255/255/224    |             | 238/238/209       |             | 205/205/180    |               | 139/139/122    |             | 255/255/0        |                | 238/238/0       |             | 205/205/0       |             | 139/139/0       |                | 255/215/0      |               | 238/201/0      |              | 205/173/0      |                 | 139/117/0      |  |
| GOLDENROD1  |             | GOLDENROD2           |             | GOLDENROD3      |             | GOLDENROD4      |             | DARKGOLDENROD1 |             | DARKGOLDENROD2    |             | DARKGOLDENROD3 |               | DARKGOLDENROD4 |             | ROSBROWN1        |                | ROSBROWN2       |             | ROSBROWN3       |             | ROSBROWN4       |                | INDIANRED1     |               | INDIANRED2     |              | INDIANRED3     |                 | INDIANRED4     |  |
| 255/193/37  |             | 238/180/34           |             | 205/155/29      |             | 139/105/20      |             | 255/185/15     |             | 238/173/14        |             | 205/149/12     |               | 139/101/8      |             | 255/193/193      |                | 238/180/180     |             | 205/155/155     |             | 139/105/105     |                | 255/106/106    |               | 238/99/99      |              | 205/85/85      |                 | 139/58/58      |  |
| SIENNA1   |             | SIENNA2              |             | SIENNA3         |             | SIENNA4         |             | BURLYWOOD1     |             | BURLYWOOD2        |             | BURLYWOOD3     |               | BURLYWOOD4     |             | WHEAT1           |                | WHEAT2          |             | WHEAT3          |             | WHEAT4          |                | TAN1           |               | TAN2           |              | TAN3           |                 | TAN4           |  |
| 255/130/71  |             | 238/121/66           |             | 205/104/57      |             | 139/71/38       |             | 255/211/155    |             | 238/197/145       |             | 205/170/125    |               | 139/115/85     |             | 255/231/186      |                | 238/216/174     |             | 205/186/150     |             | 139/126/102     |                | 255/165/79     |               | 238/154/73     |              | 205/133/63     |                 | 139/90/43      |  |
| CHOCOLATE1  |             | CHOCOLATE2           |             | CHOCOLATE3      |             | CHOCOLATE4      |             | FIREBRICK1     |             | FIREBRICK2        |             | FIREBRICK3     |               | FIREBRICK4     |             | BROWN1           |                | BROWN2          |             | BROWN3          |             | BROWN4          |                | SALMON1        |               | SALMON2        |              | SALMON3        |                 | SALMON4        |  |
| 255/127/36  |             | 238/118/33           |             | 205/102/29      |             | 139/69/19       |             | 255/48/48      |             | 238/44/44         |             | 205/38/38      |               | 139/26/26      |             | 255/64/64        |                | 238/59/59       |             | 205/51/51       |             | 139/35/35       |                | 255/140/105    |               | 238/130/98     |              | 205/112/84     |                 | 139/76/57      |  |
| LIGHTSALMON1  |             | LIGHTSALMON2         |             | LIGHTSALMON3    |             | LIGHTSALMON4    |             | ORANGE1        |             | ORANGE2           |             | ORANGE3        |               | ORANGE4        |             | DARKORANGE1      |                | DARKORANGE2     |             | DARKORANGE3     |             | DARKORANGE4     |                | CORAL1         |               | CORAL2         |              | CORAL3         |                 | CORAL4         |  |
| 255/160/122   |             | 238/149/114          |             | 205/129/98      |             | 139/87/66       |             | 255/165/0      |             | 238/154/0         |             | 205/133/0      |               | 139/90/0       |             | 255/127/0        |                | 238/118/0       |             | 205/102/0       |             | 139/69/0        |                | 255/114/86     |               | 238/106/80     |              | 205/91/69      |                 | 139/62/47      |  |
| TOMATO1   |             | TOMATO2              |             | TOMATO3         |             | TOMATO4         |             | ORANGERED1     |             | ORANGERED2        |             | ORANGERED3     |               | ORANGERED4     |             | RED1             |                | RED2            |             | RED3            |             | RED4            |                | DEEPPINK1      |               | DEEPPINK2      |              | DEEPPINK3      |                 | DEEPPINK4      |  |
| 255/99/71   |             | 238/92/66            |             | 205/79/57       |             | 139/54/38       |             | 255/69/0       |             | 238/64/0          |             | 205/55/0       |               | 139/37/0       |             | 255/0/0          |                | 238/0/0         |             | 205/0/0         |             | 139/0/0         |                | 255/20/147     |               | 238/18/137     |              | 205/16/118     |                 | 139/10/80      |  |
| HOTPINK1  |             | HOTPINK2             |             | HOTPINK3        |             | HOTPINK4        |             | PINK1          |             | PINK2             |             | PINK3          |               | PINK4          |             | LIGHTPINK1       |                | LIGHTPINK2      |             | LIGHTPINK3      |             | LIGHTPINK4      |                | PALEVIOLETRED1 |               | PALEVIOLETRED2 |              | PALEVIOLETRED3 |                 | PALEVIOLETRED4 |  |
| 255/11  |             |                      |             |                 |             |                 |             |                |             |                   |             |                |               |                |             |                  |                |                 |             |                 |             |                 |                |                |               |                |              |                |                 |                |  |