

BARC Products for Color Vision Deficiency

Section 508 of the Rehabilitation Act (29 U.S.C. § 794d), as amended by the Workforce Investment Act of 1998 (P.L. 105-220) requires federal agencies to develop, procure, maintain, and use information and communications technology (ICT) that is accessible to people with disabilities, regardless of whether they work for the federal government.

Individuals with color vision deficiency may have had difficulty distinguishing between the severity classes when using the symbology that has historically been used for BARC products (Figure 1). To makes these products more accessible to this group, we have established new symbology (Figure 2) that will be used as of the 2024 fire season. The RGB (red-green-blue) values for each set of colors are shown in the table below.

Feedback on this new symbology is welcome and can be emailed to sm.fs.baerimagery@usda.gov.

Figure 1. Historical Symbology

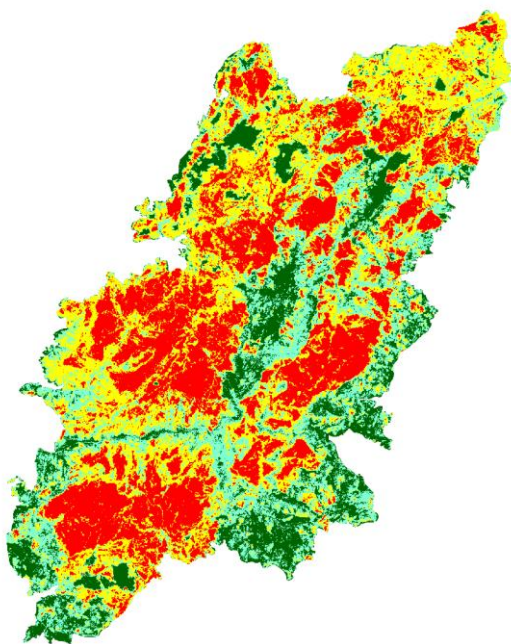
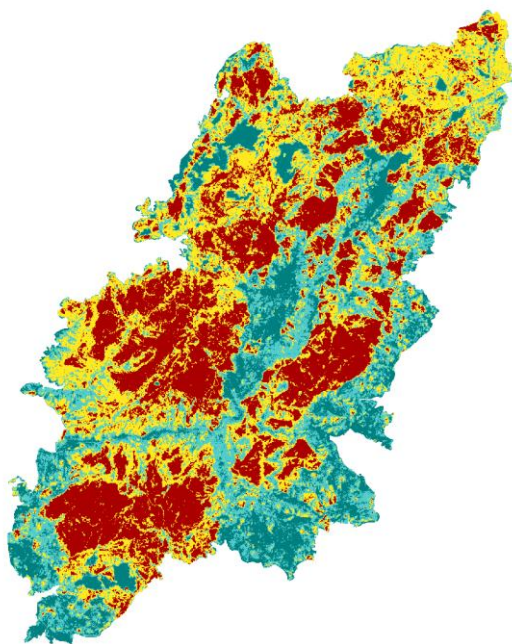


Figure 2. Accessible Symbology



Burn Severity Class	Historical Symbology			Current Symbology (508-Compliant)		
	RGB	HEX	Color	RGB	HEX	Color
No Data	0, 0, 0	000000	<div></div>	0, 0, 0	000000	<div></div>
Unburned	0,100,0	006400	<div></div>	0, 128, 128	008080	<div></div>
Low	127, 255, 212	7FFFD4	<div></div>	82, 204, 204	52CCCC	<div></div>
Moderate	255, 255, 0	FFFF00	<div></div>	255, 232, 32	FFE820	<div></div>
High	255, 0, 0	FF0000	<div></div>	168, 0, 0	A80000	<div></div>
Mask	255, 255, 255	FFFFFF	<div></div>	255, 255, 255	FFFFFF	<div></div>