

Table 1: Summary of LC Image Quality Standards by Document Type and Expected Outcome

Document Type	Expected Outcome	Image Parameters Standards				Notes
		Resolution	Bit Depth	Grayscale Factors	Color Accuracy	
Printed text: books w/illustrations, pamphlets, typed pages, newspapers,	Image of text	300 ppi minimum	8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%		
	OCR'ed text	400 ppi	8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%		
Music: sheet music, annotated scores, music manuscripts	Access to content	300 ppi minimum	*8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%		*24-bit color should be used where color is an important attribute of the document.
	Recognition of artifactual features	400 ppi	8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%		
Manuscripts: handwritten, typewritten copies	Access to content	300 ppi minimum	*8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%	If 24-bit color Delta-E < 8	*24-bit color should be used where color is an important attribute of the document.
	Recognition of artifactual features	400 ppi	8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%	If 24-bit color Delta-E < 8	
Maps: printed tones printed color up to D-size 22" x 34" *oversized	Content Research	250 ppi minimum	24-bit color		Delta-E < 8	*ppi is dependant on map size – particularly when map sections must be stitched together and map filesize increases to 500 MBs and more
	Map reproduction	400 ppi	24-bit color minimum		Delta-E < 6 ICC Profile	

Document Type	Expected Outcome	Image Parameters Standards				Notes
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Photographs: continuous tone, color	Access to content	300 ppi minimum	*8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%	If 24-bit color Delta-E < 8	*24-bit color should be used where color is an important attribute of the document.
	Reproduction	device maximum	24-bit color minimum		Delta-E < 6 ICC Profile	
Graphic Arts: Limited tone originals Continuous tone Color	Access to content	300 ppi minimum	8-bit grayscale	minimum 18 steps minimum 5.5 f-stops Y channel noise <=5%	If 24-bit color Delta-E < 8	*24-bit color should be used where color is an important attribute of the document.
	Reproduction	device maximum	24-bit color		Delta-E < 6 ICC Profile	
Rare Books: Objects of High Artifactual Value	Recognition of artifactual features	400 ppi minimum	24-bit color		Delta-E < 8 ICC Profile	
	Research on artifactual features	600 ppi minimum	24-bit color minimum		Delta-E < 5 ICC Profile	