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Xuechao Li* (xcli@uga.edu), Athens, GA 30602. *New lower bounds on edge critical graphs with small maximum degree from 7-14.* Preliminary report.

Let G be an edge critical graph with maximum degree of $\Delta = 7, \dots, 14$. We are to give some updated adjacency properties on small vertices of G and give new lower bounds for average degree of G . (Received November 29, 2012)