

USGS Activity B6

**Hurricane Mitch: Landscape Analysis of Damaged Forest
Resources of the Bay Islands and Caribbean Coast of
Honduras**

By

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Table 1. Forest damage classification scheme based on percent canopy displacement.

Damage Scale Category	Percent Canopy Displacement
0	< 20%
1	> 20% & < 40%
2	>40% & < 60%
3	>60% & < 80%
4	> 80%

Table 2. Predicted hours of sustained winds by storm category based on the Saffir-Simpson index for areas hardest hit on the mainland, Roatan, and Guanaja including maximum windspeeds.

Storm Category	Mainland Coast	Eastern Roatan	Eastern Guanaja
I – 76 – 95 mph	42 hrs	44 hrs	53 hrs
II – 96 – 111mph	27 hrs	15 hrs	31 hrs
III – 112 – 130mph	22 hrs	3 hrs	22 hrs
IV - >131mph	0 hrs	0 hrs	20 hrs
Maximum Wind	130 mph	117 mph	159mph