

Fig. 1. Average weight of branchlets from 30-cm terminal branch sections from small and large ironwood trees with decline ranging from 0 (healthy) to 4 (nearly dead).

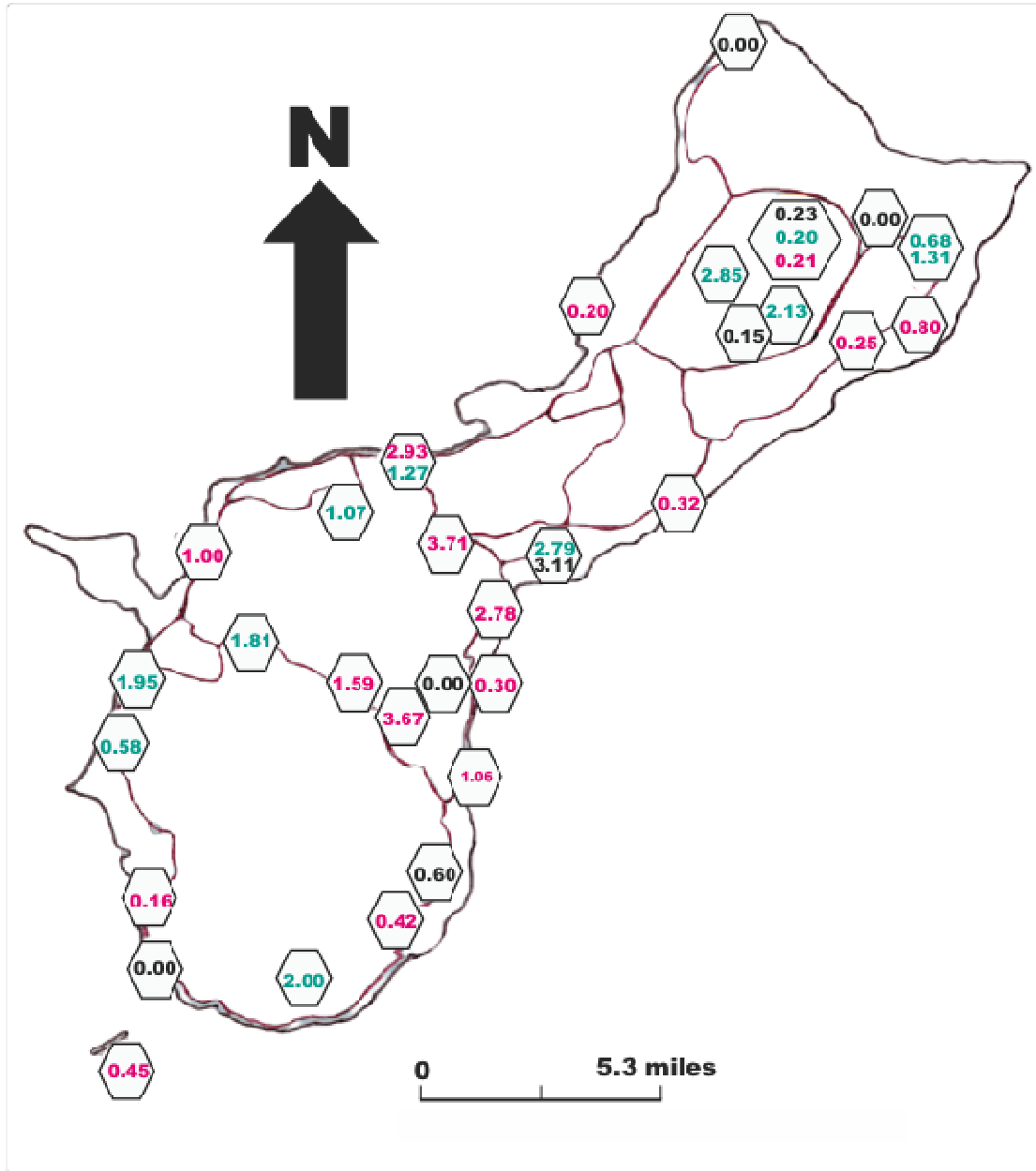


Fig. 2. Means of decline severity (DS) found at sites during Survey II (July to December 2009) either remained nearly the same (**black**), increased (**red**), or decreased (**green**) in comparison to Survey I (October 2008 to June 2009).

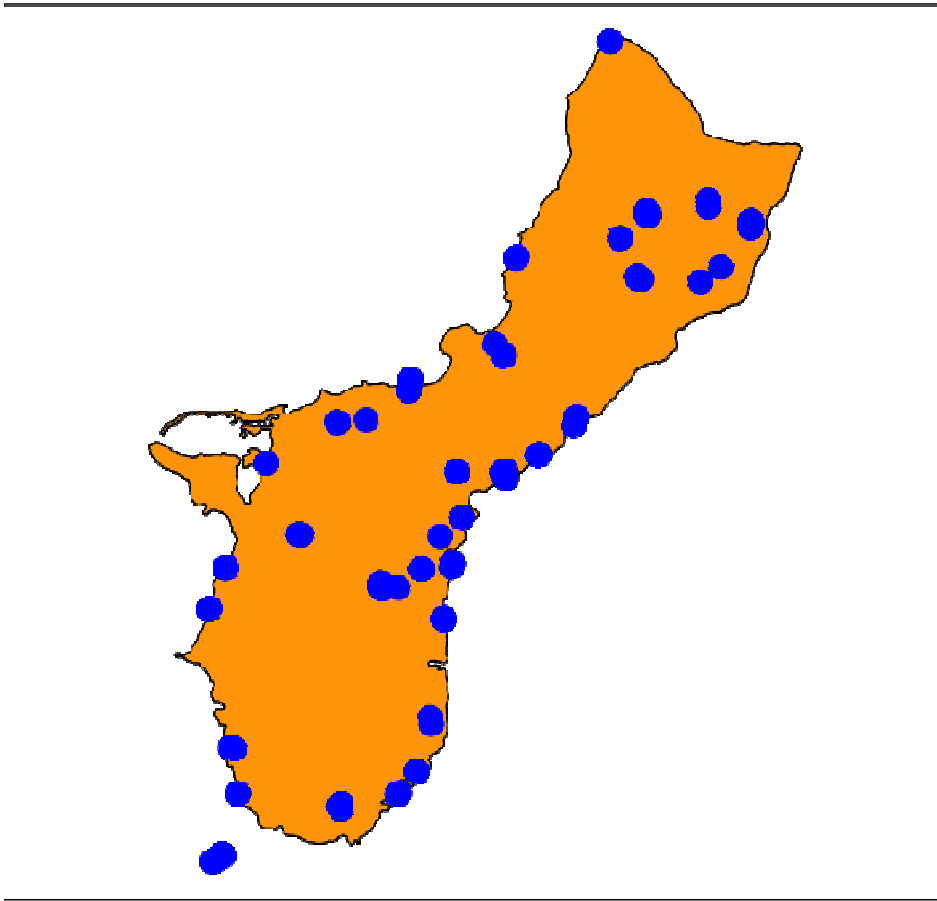


Fig. 3. A map of the island of Guam, blue dots indicate survey site locations.

Table 1. Logistic modeling results

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-417.5241	225.1959	-1.854	0.063732
conk	3.3060	0.2775	11.912	< 0.00001
human_mgmt	0.7571	0.1193	6.345	< 0.00001
termites	0.7468	0.1748	4.271	0.00001
density	-1.1633	1.1056	-1.052	0.292702
lat	-4.7615	1.2461	-3.821	0.000133
long	3.3110	1.6534	2.003	0.045229

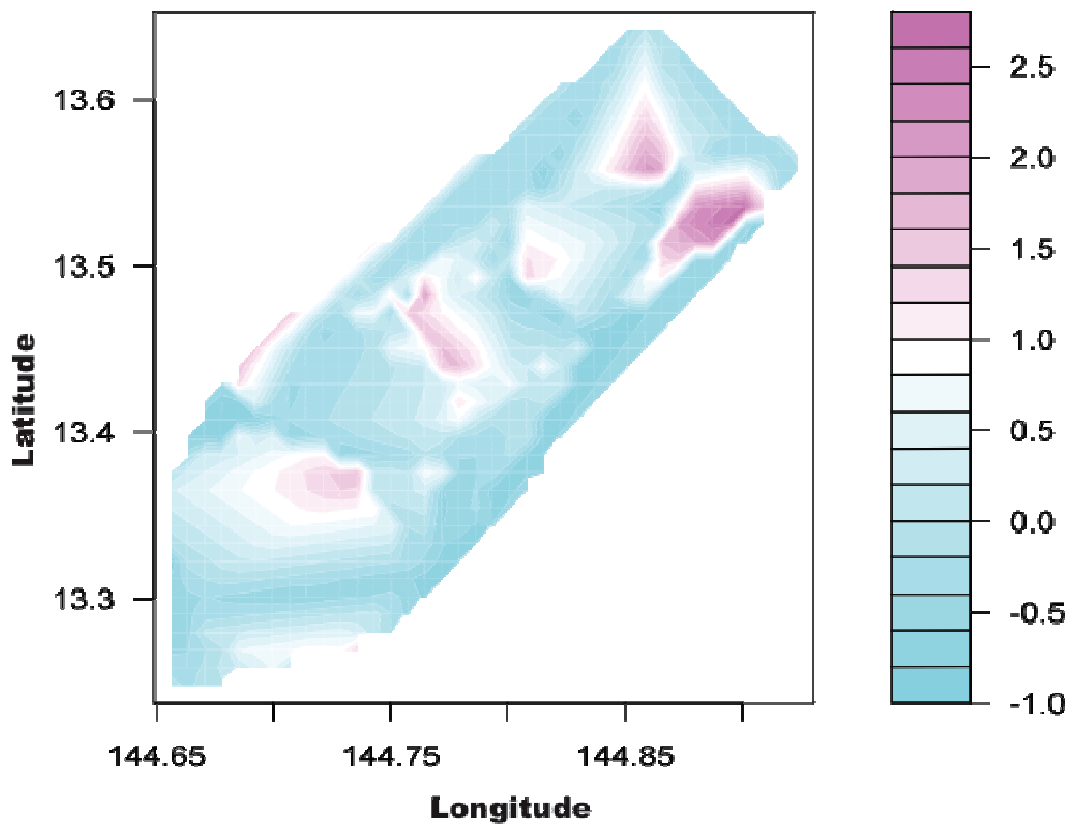


Fig. 4. Interpolating Pearson residuals along a two-dimensional grid of the longitude and latitude coordinates.

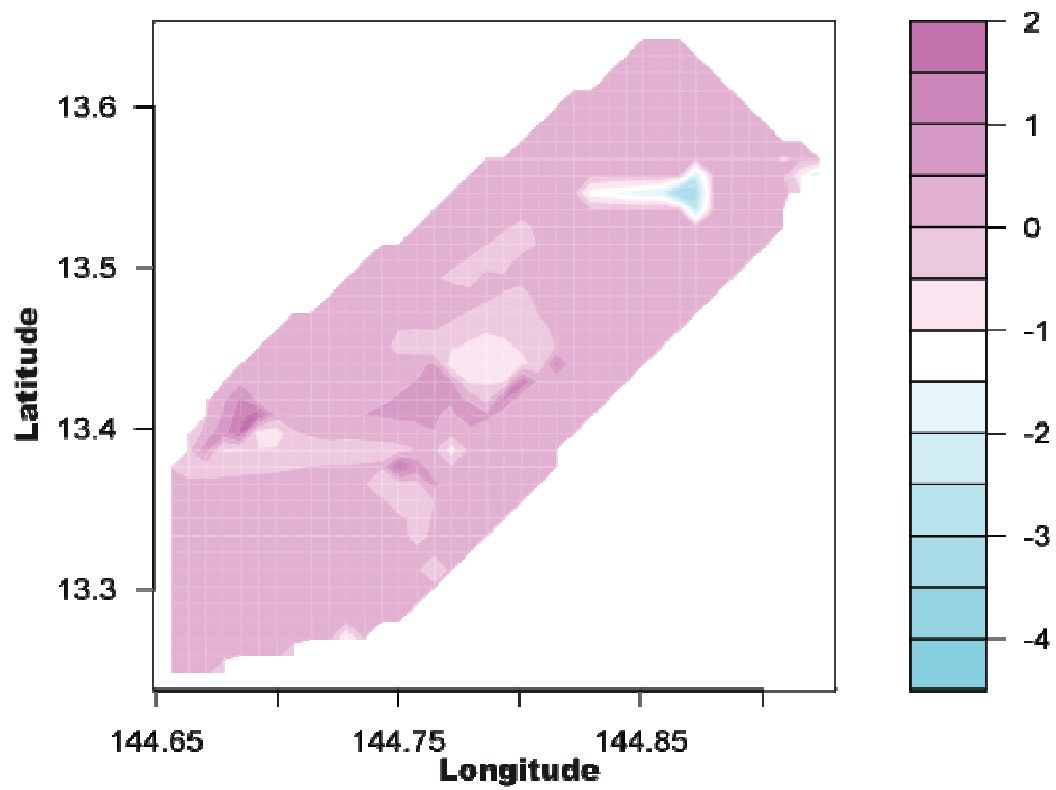


Fig. 5. Interpolating Pearson residuals for the cumulative multinomial model.