

Supplementary Materials:

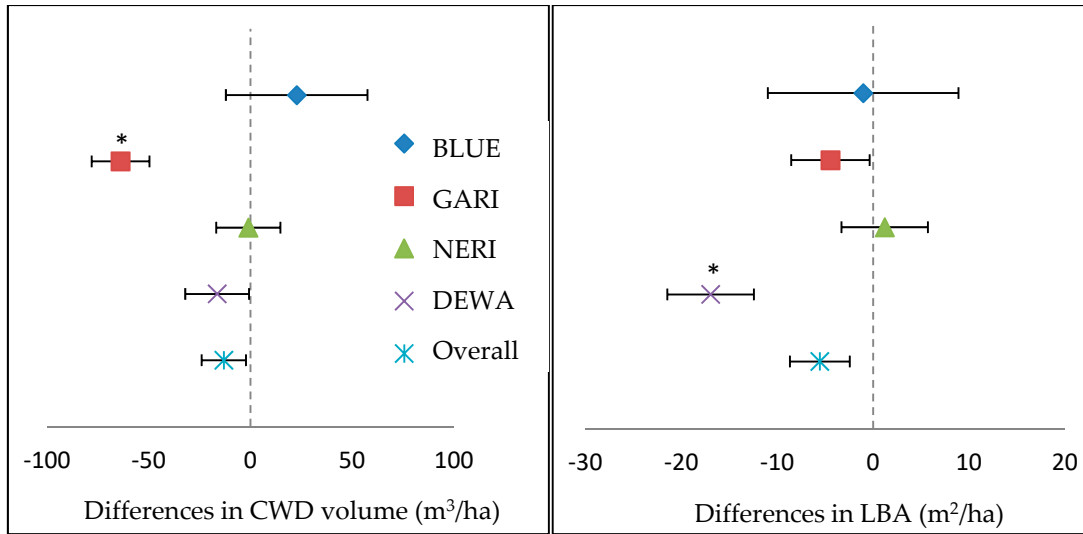


Figure S1. Tukey Method comparison for differences of means (undisturbed - disturbed) for average CWD volume (m^3/ha) (left panel) and LBA (m^2/ha) (right panel) for all undisturbed plots versus the disturbed plots for each NPS unit and for all the units combined prior to the disturbance events. The error bars represent \pm one standard error of the difference. Asterisks represent a p-value of <0.05 . Table 1 contains a list of the means and sample sizes. Appendix A, Table 1A contains the values for the differences of means, standard error, and p-values.

Table S1. Means and sample sizes for LBA and CWD volume before the disturbance events, as well as the change following those events. The sample size for DEWA was lower for LBA than for CWD because plots with no trees were excluded from LBA calculations. The numbers in parentheses represent one standard error of the mean.

NPS unit	Condition	N	Mean LBA	Change in	Mean CWD	Change in
			($\text{m}^2\text{-ha}^{-1}$) pre-disturbance	mean LBA ($\text{m}^2\text{-ha}^{-1}$) post-disturbance	volume ($\text{m}^3\text{-ha}^{-1}$) pre-disturbance	mean CWD volume ($\text{m}^3\text{-ha}^{-1}$) post-disturbance
BLUE	Disturbed	1	33.0 (N/A)	-13.4 (N/A)	0.8 (N/A)	87.3 (N/A)
BLUE	Undisturbed	39	32.0 (1.3)	0.6 (0.4)	23.5 (3.4)	7.6 (3.8)
GARI	Disturbed	7	36.1 (3.8)	-4.4 (3.1)	117.4 (25.8)	36.2 (32.0)
GARI	Undisturbed	33	30.8 (1.7)	1.1 (0.8)	53.5 (12.4)	2.1 (6.6)
NERI	Disturbed	5	29.6 (2.3)	-3.0 (2.3)	26.9 (7.7)	74.1 (42.0)
NERI	Undisturbed	93	30.6 (0.9)	0.1 (0.2)	25.8 (2.9)	3.9 (2.2)
DEWA	Disturbed	5	41.6 (9.9)	-7.2 (1.7)	36.0 (12.6)	86.6 (28.0)
DEWA	Undisturbed	87/92	24.7 (1.2)	0.9 (0.2)	19.6 (2.0)	3.5 (1.4)
Overall	Disturbed	18	35.1 (3.2)	-7.0 (1.5)	45.3 (14.8)	71.1 (18.3)
Overall	Undisturbed	257/ 262	29.5 (0.6)	0.7 (0.5)	30.6 (34.7)	4.3 (22.2)

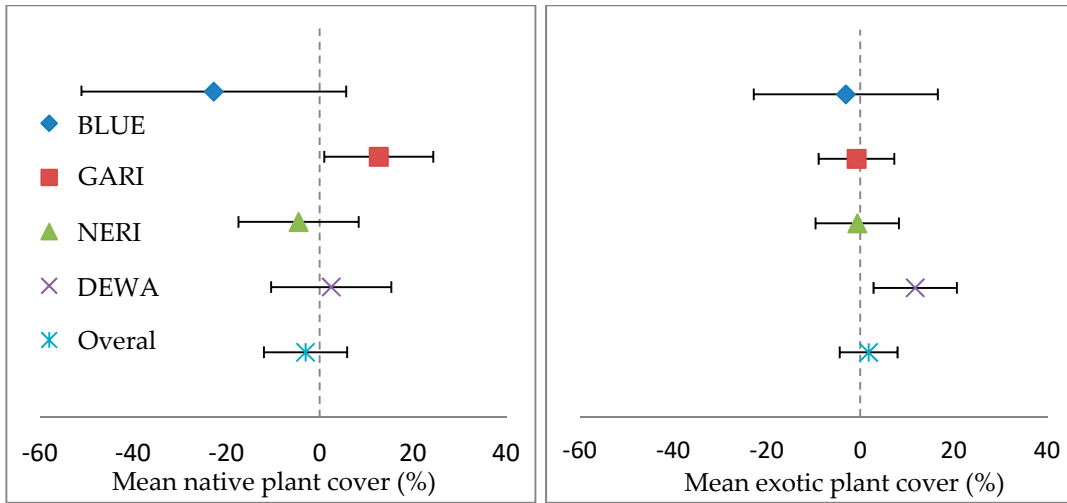


Figure S2. Tukey Method comparison for differences of means (disturbed-undisturbed) for average native (left panel) and exotic (right panel) plant cover (%) between disturbed and undisturbed plots for each NPS unit and for all the units combined prior to the disturbance events. There were no significant differences observed between the disturbed and undisturbed plots. The error bars represent +/- one standard error of the difference. Table 2 contains a list of the means and sample sizes. Appendix A, Table 2A contains the values for the differences of means, standard error, and p-values.

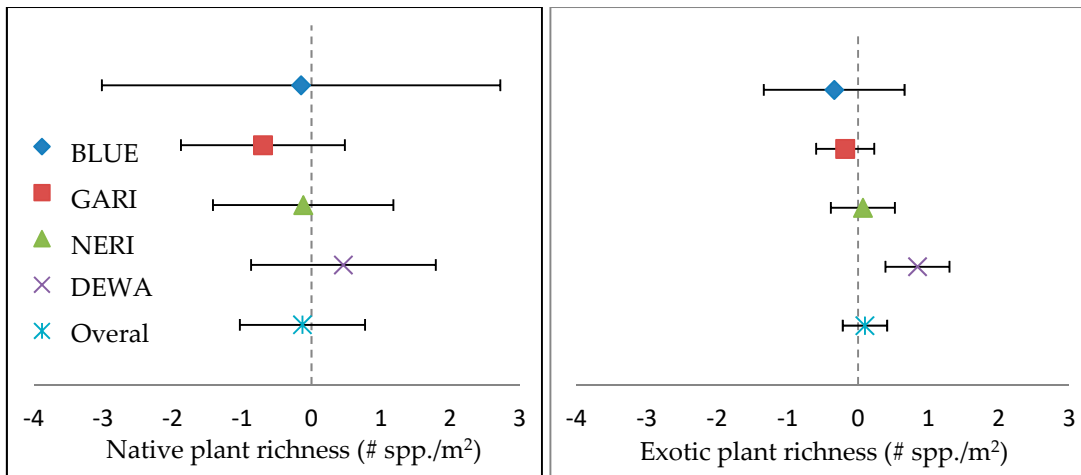


Figure S3. Tukey Method comparison for differences of means (disturbed-undisturbed) in average plant richness (number of species per m²) between disturbed and undisturbed plots for each NPS unit and for all the units combined prior to the disturbance events. Error bars represent +/- one standard error of the difference. Table 2 contains a list of the means and sample sizes. Appendix A, Table 3A contains the values for the differences of means, standard error, and p-values.

Table S2. Tukey Method analysis means and sample sizes for average species richness (number of species per m²) and average cover for native and exotic plants (%) prior to the disturbance events as well as the changes following those events. The numbers in parentheses represent one standard error of the mean.

NPS unit	Condition	N	Status	Mean species richness (# spp./ m ²)pre-disturbance	Mean species cover (% cover)pre-disturbance	Mean species richness (# spp./ m ²) change post-disturbance	Mean change in plant species cover (% cover)post-disturbance
BLUE	Disturbed	1	Native	7.6 (N/A)	18.4 (N/A)	-0.1 (N/A)	18.1 (N/A)
BLUE	Undisturbed	39	Native	7.4 (0.6)	41.1 (5.4)	0.5 (0.2)	-3.0 (2.9)
BLUE	Disturbed	1	Exotic	0.2 (N/A)	0.1 (N/A)	0.0 (N/A)	1.7 (N/A)
BLUE	Undisturbed	39	Exotic	0.5 (0.1)	3.2 (1.0)	0.1 (0.1)	1.5 (0.9)
GARI	Disturbed	7	Native	5.5 (1.5)	42.6 (10.1)	1.4 (0.4)	6.1 (3.9)
GARI	Undisturbed	33	Native	6.2 (0.5)	29.8 (3.1)	0.6 (0.3)	7.0 (2.9)
GARI	Disturbed	7	Exotic	0.0 (0.0)	0.1 (0.1)	0.0 (0.1)	0.7 (0.7)
GARI	Undisturbed	33	Exotic	0.2 (0.1)	0.9 (0.3)	0.1 (0.0)	1.6 (0.9)
NERI	Disturbed	5	Native	6.6 (1.1)	25.4 (9.5)	0.8 (0.9)	31.6 (15.2)
NERI	Undisturbed	93	Native	6.7 (0.3)	29.9 (2.1)	0.4 (0.2)	2.9 (1.4)
NERI	Disturbed	5	Exotic	0.3 (0.2)	0.6 (0.5)	0.0 (0.1)	7.6 (7.6)
NERI	Undisturbed	93	Exotic	0.2 (0.1)	1.3 (0.5)	0.0 (0.0)	0.5 (0.4)
DEWA	Disturbed	5	Native	6.3 (0.7)	50.4 (10.4)	-0.4 (0.1)	-12.3 (6.9)
DEWA	Undisturbed	97	Native	5.8 (0.3)	47.9 (3.5)	-0.4 (0.6)	-16.6 (2.2)
DEWA	Disturbed	5	Exotic	1.9 (0.4)	30.5 (8.7)	0.0 (0.1)	-8.7 (3.6)
DEWA	Undisturbed	97	Exotic	1.0 (0.1)	18.7 (3.2)	0.0 (0.1)	-1.3 (1.2)
Overall	Disturbed	18	Native	6.5 (0.7)	34.2 (5.8)	0.5 (0.4)	9.8 (6.3)
Overall	Undisturbed	262	Native	6.6 (0.2)	37.2 (1.8)	0.3 (0.1)	-1.4 (1.2)
Overall	Disturbed	18	Exotic	0.6 (0.23)	7.8 (3.96)	0.0 (0.04)	0.3 (2.63)
Overall	Undisturbed	262	Exotic	0.5 (0.07)	6.0 (1.32)	0.1 (0.03)	0.6 (0.51)