

Terminology, description and calculation of Floristic Quality Assessment (FQA) indices.

N_n = count of native species, N_a = count of all species, N_e = count of non-native species, C_i = index of conservatism for the i^{th} species, x_i = percent cover for the i^{th} species.

Indices	Description	Calculation
Species richness	Number of plant species observed	N_a
Native species richness	Number of native plant species observed	N_n
Non-native species richness	Number of non-native plants	N_e
Percent non-native species	Number of native plants divided by the number of all plants multiplied by 100	$(N_n/N_a) (100)$
Mean C	Average C-value of all plants	$\frac{\sum_{i=1}^n C_i}{N_a}$
Mean C_{nat}	Average C-value of only the native plants	$\frac{\sum_{i=1}^n C_i}{N_n}$
Cover-weighted Mean C	Sum of each species C-value multiplied by its cover values, then divided by the sum of cover values for all species	$\frac{\sum_{i=1}^n x_i C_i}{\sum_{i=1}^n x_i}$
Cover-weighted Mean C_{nat}	Sum of each native species C-value multiplied by its cover values, then divided by the sum of cover values for native species	$\frac{\sum_{i=1}^n x_i C_i}{\sum_{i=1}^n x_i}$
FQI	Mean C of all plants multiplied by the square-root of number of all plants	$\left(\frac{\sum_{i=1}^n C_i}{N_a} \right) \sqrt{N_a}$
FQI _{nat}	Mean C of native plants multiplied by the square-root of number of native plants	$\left(\frac{\sum_{i=1}^n C_i}{N_n} \right) \sqrt{N_n}$
Cover-weighted FQI	Cover-weighted Mean C for all species multiplied by the square-root of all species	$\left(\frac{\sum_{i=1}^n x_i C_i}{\sum_{i=1}^n x_i} \right) \sqrt{N_a}$
Cover-weighted FQI _{nat}	Cover-weighted Mean C for native plants multiplied by the square-root of native plants	$\left(\frac{\sum_{i=1}^n x_i C_i}{\sum_{i=1}^n x_i} \right) \sqrt{N_n}$
Adjusted FQI	Mean C of native plants divided by 10 multiplied by square-root of native plants divided by the square-root of number of all plants multiplied by 100	$\frac{\left(\frac{\sum_{i=1}^n C_i}{N_n} \right) \sqrt{N_n}}{10} \frac{\sqrt{N_n}}{\sqrt{N_a}} (100)$
Adjusted cover-weighted FQI	Cover-weighted Mean C for native plants divided by 10 multiplied by square-root of native plants divided by the square-root of number of all plants multiplied by 100	$\frac{\left(\frac{\sum_{i=1}^n x_i C_i}{\sum_{i=1}^n x_i} \right) \sqrt{N_n}}{10} \frac{\sqrt{N_n}}{\sqrt{N_a}} (100)$