

Exploring habitat complexity in Mediterranean ponds: physicochemical heterogeneity and macrophyte community variation in inland Sicily

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Tab. S1. Location and physical features of the freshwater habitats investigated.

ID	Name; Municipality	Geographic coordinates	Geographic district; Altitude; Drainage basin	Measures (m); Shape; Depth max-min (cm)	Hydroperiod; Origin
1	Gorgo Lungo; <i>GODRANO (PA)</i>	37° 54,06'N 13° 24,51'E	Rocca Busambra area; 890 m a.s.l. San Leonardo River	110×30; strictly ellipsoidal; 150 - 20	Permanent; Natural
2	Gorgo del Drago; <i>GODRANO (PA)</i>	37° 54,07'N 13° 24,56'E	Rocca Busambra area; 863 m a.s.l. San Leonardo River	60×80; approximately oval; 250 - 20	Permanent; Natural
3	Gorgo Cerro; <i>MONREALE (PA)</i>	37° 53,39'N 13° 23,68'E	Rocca Busambra area; 736 m a.s.l. Eleuterio River	40×25; approximately rectangular; 120 - 10 (0)	Semi-permanent; Natural
4	Laghetto Valle Maria; <i>GODRANO (PA)</i>	37° 52,86'N 13° 24,40'E	Rocca Busambra area; 704 m a.s.l. San Leonardo River	10×8; circular; 150 - 0	Temporary; Semi-natural
5	Laghetto Piano Prani; <i>GODRANO (PA)</i>	37° 51,35'N 13° 25,43'E	Rocca Busambra area; 1069 m a.s.l. San Leonardo River	10×8; circular; 100 - 0	Temporary; Semi-natural
6	Laghetto Piano Guddemi; <i>GODRANO (PA)</i>	37° 50,09'N 13° 26,70'E	Rocca Busambra area; 949 m a.s.l. San Leonardo River	95×40; reptangular; 300 - 100	Permanent; Artificial
7	Pozza Piano Guddemi; <i>GODRANO (PA)</i>	37° 50,12'N 13° 26,30'E	Rocca Busambra area; 889 m a.s.l. San Leonardo River	9×8; circular; 150 - 100	Permanent; Artificial
8	Gorgo di Marosa; <i>GODRANO (PA)</i>	37° 50,22'N 13° 25,09'E	Rocca Busambra area; 857 m a.s.l. San Leonardo River	15×25; approximately rectangular; 100 - 0	Temporary; Semi-natural
9	Gorgo Carcaci; <i>CASTRONOVO DI S. (PA)</i>	37° 42,06'N 13° 32,44'E	Sicani Mts.; 861 m a.s.l. Platani River	85×85; approximately square; 200 - 150	Permanent; Natural
10	Gorgo Carcaciotto; <i>CASTRONOVO DI S. (PA)</i>	37° 42,28'N 13° 32,04'E	Sicani Mts.; 893 m a.s.l. Platani River	120×60; irregular; 200 - 150	Permanent; Natural

Tab. S2. Vegetation gradients.

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Fig. S1. Boxplot alpha-diversity. Boxplots illustrate the distribution of the Simpson index (1-D) for environmental Cluster 1, Cluster 2, and Cluster 3. The central horizontal line represents the median, the box bounds indicate the first and third quartiles, and the whiskers denote the variation of data.

