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SUPPLEMENTARY MATERIAL

The contrasting evolution of two volcanic lakes lying in the same caldera (Monticchio, Mt. Vulture, Italy) inferred from literature records

Renato Spicciarelli,^{1*} Aldo Marchetto²

¹School of Agricultural, Forest, Food and Environmental Sciences (SAFE), University of Basilicata, Viale dell'Ateneo Lucano 10, 85100 Potenza

²CNR Water Research Institute, Corso Tonolli 50, 28922 Verbania-Pallanza, Italy

***Corresponding author:** renato.spicciarelli@unibas.it

Tab. S1. Main studies concerning Monticchio lakes.

Study	Morphometry	Water physic and chemistry	Phytoplankton	Zooplankton	Phytobenthos	Macrophytes	Fauna	Paleoclimate
Tenore (1844)							+	
Cavanna (1882)						+	+	
Casoria (1901)		+						
Forti and Trotter (1908)			+	+	+	+		
Stegagno (1908)	+	+						
Cannicci (1952)		+	+					
Mongelli (1964)		+						
Squicciarini (1974)	+	+						
Musacchio (1981-1982)			+					
Marano and D'Aprile (1991)	+	+	+	+			+	
Watts (1985)								+
Allen <i>et al.</i> (1999)								+
Dumontet <i>et al.</i> (2003)		+						
Venanzoni <i>et al.</i> (2003)						+		
Ruffo and Stoch (2005)				+				
Cioni <i>et al.</i> (2006)		+						
Gambardella (2006)		+						
Ceccanti <i>et al.</i> (2007)		+	+	+				
Brauer <i>et al.</i> (2007)								
Alfonso (2008)				+				
Schettler and Albéric (2008)		+						
Caracausi <i>et al.</i> (2009)		+						
Leoni and Garibaldi (2009)				+				
Azzella <i>et al.</i> (2010)		+				+		
Nicolosi (2010)		+						
Spicciarelli and Mirauda (2015)	+	+	+	+		+	+	

Tab. S2. Zooplankton species found in the more recent studies.

Species	Ceccanti <i>et al.</i> (2007)	Alfonso <i>et al.</i> (2008)	Spicciarelli and Mirauda (2015)
Rotifers			
<i>Anuraeopsis</i> sp.	LG		
<i>Ascomorpha saltans</i> Bartsch	LG		
<i>Asplanchna</i> sp.		LP	
<i>Asplanchna priodonta</i> Gosse	LG LP		
<i>Brachionus</i> sp.	LG LP		
<i>Brachionus angularis</i> Gosse			LG LP
<i>Cephalodella gibba</i> (Ehrenberg)		LP	
<i>Colurella uncinata</i> (Müller)		LP	
<i>Euchlanis</i> sp.	LG		
<i>Filina longiseta</i> (Ehrenberg)	LG LP	LP	LG LP
<i>Hexarthra</i> sp.	LG		
<i>Hexarthra mira</i> (Hudson)		LP	
<i>Itura aurita</i> (Ehrenberg)		LP	
<i>Keratella cochlearis</i> (Gosse)	LG LP	LP	LG LP
<i>Keratella quadrata</i> (Müller)	LG LP		
<i>Lecane</i> sp.	LG		
<i>Lecane</i> gruppo <i>lunaris</i> (Ehrenberg)		LP	
<i>Lepadella ovalis</i> (Müller)		LP	
<i>Monommata</i> sp.	LG		
<i>Ploesoma</i> sp.	LG		
<i>Polyarthra</i> sp.	LG LP	LP	
<i>Polyarthra remata</i> Skorikov			LG LP
<i>Pompholyx triloba</i> Pejler		LP	
<i>Synchaeta</i> sp.	LG	LP	
<i>Trichocerca</i> sp.	LG LP		LP
<i>Trichocerca longiseta</i> (Schrank)		LP	
<i>Trichocerca pusilla</i> (Jennings)		LP	
Cladocerans			
<i>Bosmina longirostris</i> (Müller)	LG LP	LP	LG LP
<i>Ceriodaphnia pulchella</i> Sars	LG LP	LP	
<i>Chydorus sphaericus</i> (Müller)	LG		
<i>Daphnia galeata x hyalina x cucullata</i> complex (Sars)	LG LP	LP	LG LP
<i>Daphnia pulex</i> Leydig	LG		
<i>Diaphanosoma brachyurum</i> (Liévin)		LP	LG LP
<i>Graptoleberis testudinaria</i> (Fischer)	LG		
Copepods			
<i>Boeckella triarticulata</i> (Thomson)		LP	
<i>Cyclops abyssorum</i> Sars		LP	
<i>Cyclops lacustris</i> (Sars)			LG LP
<i>Cyclops vicinus</i> Ulyanin	LG LP		
<i>Thermocyclops</i> sp.	LG		
<i>Thermocyclops dybowskii</i> (Landé)		LP	
Insects			
<i>Chaoborus cristallinus</i> (de Geer)	LG		
<i>Chaoborus flavicans</i> (Meigen)	LG LP		

LG, Lago Grande; LP, Lago Piccolo.