6_3_1: Introduction to Palaeoecological Analyses at Castelporziano

Cores were taken from the following locations using either a Russian corer (D6: cores 1, 2, 3, 5, 14) or a percussion corer (all other locations). The zones targeted for coring were all associated with dune slacks, the low-lying areas between dunes, which have the potential for preserving organic remains. The contemporary dune slacks at Castelporziano are mostly either dry (e.g. those Northwest of the *Vicus*) or seasonally-wet (Pozzo Napoliello, Muraccioli). Only the central portion of D6 is perennially wet. The main coring locations are shown on the map below (Fig. 1).

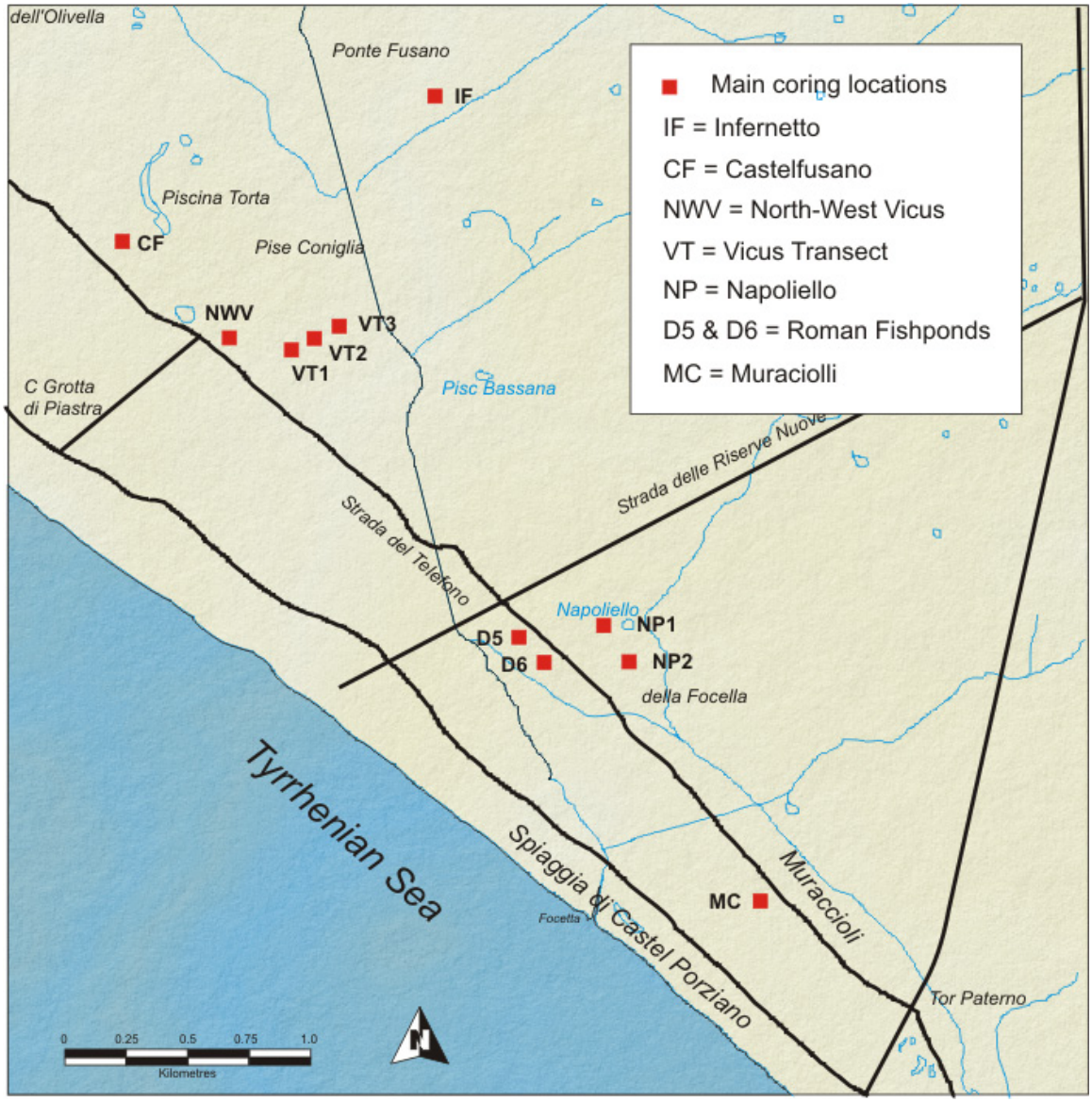

Figure 1: Main coring locations

Table 1: List of Coring Locations and Core Numbers

CORE LOCATIONS				
No.	Lat	Long	Note	
Core 1	41deg 41.637'	12deg 22.403'	D6	Fishpond
Core 2	41deg 41.637'	12deg 22.403'	D6	Fishpond
Core 3	41deg 41.631'	12deg 22.401'	D6	Fishpond
Core 4	41deg 42.408'	12deg 21.350'		
Core 5	41deg 41.650'	12deg 22.415'	D6	Fishpond
Core 6	41deg 41.662	12deg 22.355'	D5	Fishpond
Core 7	41deg 41.709'	12deg 22.603'	Pozzo Napoliello	
Core 8	41deg 41.977'	12deg 22.426'	Pozzo Napoleillo	Adjacent slack
Core 9	41deg 41.087	12deg 23.109'	Muraccioli	Wet duneslack
Core 10	41deg 41.087	12deg 23.109'	Muraccioli	
Core 11	41deg 42.239'	12deg 21.610	N of Vicus	Dry duneslack
Core 12	41deg 42.379	12deg 21.671	N of Vicus	Dry duneslack
Core 13	41deg 42.439'	12deg 21.730	N of Vicus	Dry duneslack
Core 14	41deg 41.627	12deg 22.397'	D6	Fishpond
Core 15	41deg 41.671	12deg 22.338'	D5	Fishpond
Core 16	41deg 42.716'	12deg 21.350'	Piscina Torta	
Core 17	41deg 43.220'	12deg 21.476'	Infernetto	Drained marsh

The core locations are listed in Table 1 and the main analytical results are listed by location in Table 2. The analytical results are presented as a series of .tif files and the file listing is given in the third column of Table 2.

Table 2: Analytical results by coring location

Location	Core Number(s)	Results of analysis (files)
D6 Fishpond	Core 1, Core 3, Core 14	Core03.tif (stratigraphy) Core14.tif (stratigraphy) Loss on ignition D6 (Core 3).tif Bryozoan statoblasts D6 (Core 3).tif CHAR and BCHAR D6 (Core 3).tif CHAR D6 (Core 3).tif Daphnia ephippia D6 (Core 3).tif Diatoms D6 (Core 3).tif Mollusc species D6 (Core 1).tif Ostracods D6 (Core 3).tif Plant macrofossil D6 (Core 3).tif Pollen D6 (Core 3).tif Stonewort oospores D6 (Core 3).tif Testate amoebae D6 (Core 3).tif Mineral content D6 (Core 14) C/N ratio D6 (Core 14).tif
D5 Fishpond	Core 6, Core 15	Core06.tif (stratigraphy) Plant macrofossils D5 (Core 6).tif Molluscs D5 (Core 6).tif
Muraccioli	Core 9	Core09.tif (stratigraphy) CHAR Muraccioli (Core 9).tif CHAR and BCHAR Muraccioli (Core 9).tif Plant macrofossil Muraccioli (Core 9).tif Stonewort oospores Muraccioli (Core 9).tif
Pozzo Napoliello	Core 7	Core07.tif (stratigraphy) CHAR Pozzo Napoliello (Core 7).tif CHAR and BCHAR Pozzo Napoliello (Core 7).tif Molluscs Pozzo Napoliello (Core 7).tif Plant macrofossil Pozzo Napoliello (Core 7).tif Loss on ignition Pozzo Napoliello (Cores 7 and 8).tif
Adjacent dune slack to Pozzo Napoliello	Core 8	Core08.tif (stratigraphy) Loss on ignition Pozzo Napoliello (Cores 7 and 8).tif
NW Vicus	Core 4	Loss on ignition NW Vicus (core 4).tif
Castelfusano	Core16	Core16.tif (stratigraphy) Loss on ignition Castefusano (Core 16).tif Plant macrofossil Castelfusano (Core 16).tif