ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE



Ministero dell'Istruzione, dell'Università e della Ricerca
PRIN - Progetti di Ricerca di Interesse Nazionale

Station Code

UM05

Recording Station

Distretto Sanitario Umbertide

Network

Temporary network

	Year	Month	Day
First compilation	1970	01	01
Last update	1970	01	01

General Information

Station photograph	
Code	UM05
Owner	CRS Centro di Ricerche Sismologiche, OGS
Housing	
Instrumentation	

Geographical Information (1/2)

Location

Region	UMBRIA
Province	Perugia
City	UMBERTIDE
Place / Address	Via R. Greco
ISTAT Code	054056
Notes	

Location map
(Italy and Region)



Geographical Information (2/2)

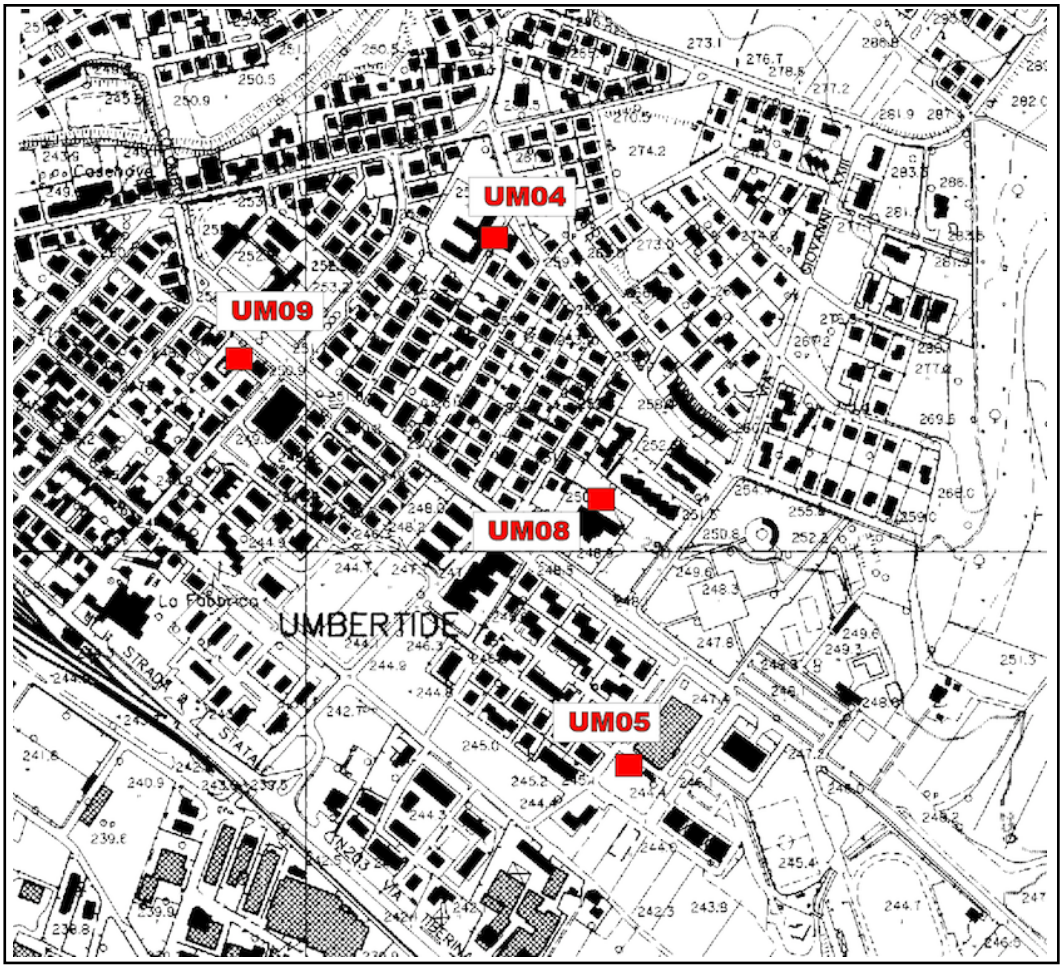
Coordinates

	Latitude	Longitude
Geographic (WGS84)	43.301422	12.341546
Elevation (m a.s.l.)	249	

Cartography

	Scale	Code
Topographic map (I.G.M.I.)	1:25.000	122 I NE
	Scale	**Element number**
Regional technical map (C.T.R.)		

I.G.M.I. or C.T.R. map



Geomorphology

Site morphology

Plain	X Valley (centre)	Valley (edge)	Alluvial fan
Saddle	Slope	Edge of scarp	Ridge

Landslides

☐ Not present

Present

☐ Active or quiescent

☐ Inactive or stabilized

Distance (m)

I.F.F.I. map

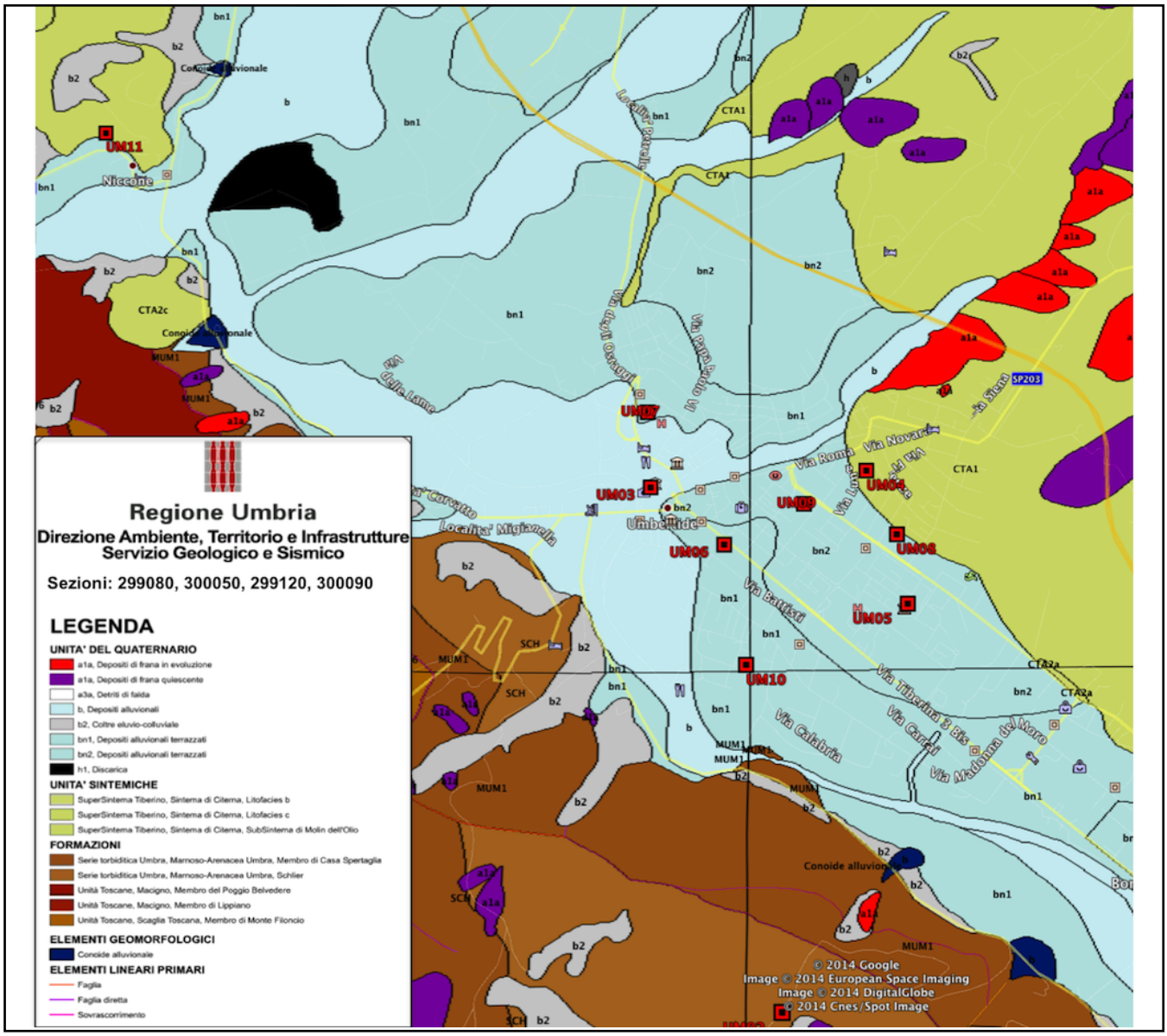
Image not available

Notes

Geology

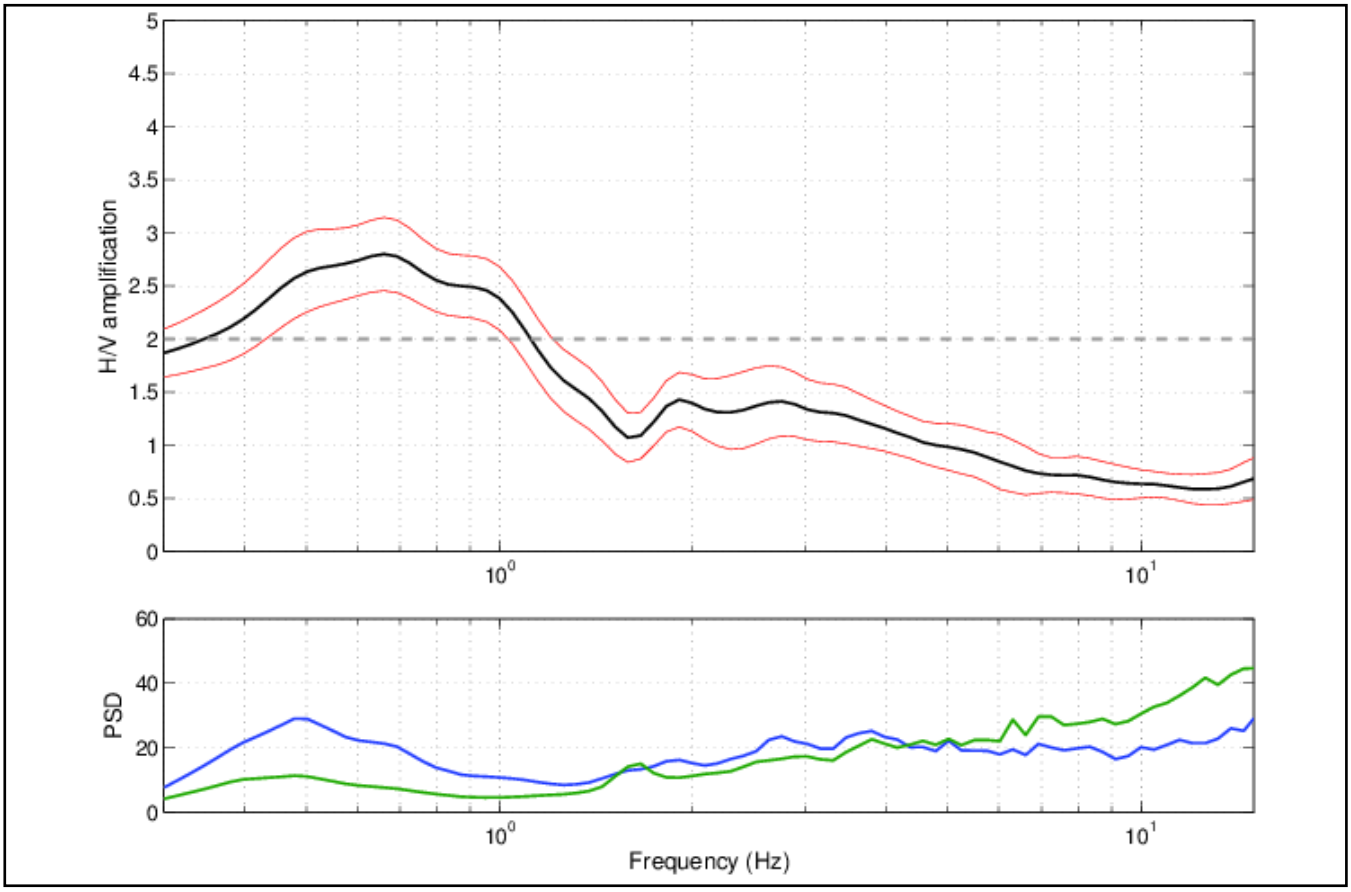
Cartography

	Scale	Sheet number	Sheet name
Geological map			



Fault proximity	certain	☐	(see notes for further information)
	supposed	☐	
Notes			

Microtremor H/V spectral ratio



$f_{0\ (mt)}$ (Hz)

Site classification (EC8 – NTC2008)

Lithostratigraphic classification

Estimated

Method[1]	Soil class[2]	Notes
GEO	C*	

1 Legend

GEO	Geological data
EC	Empirical correlation
HV	H/V spectral ratio

Based on in-situ measurements

Method[3]	V_{s30} (m/s)	Soil class[2]

2 Legend

A	Rock or other rock-like geological formation, including at most 5 m of weaker material at the surface (V_{s30}>800 m/s).
B	Deposits of very dense sand, gravel, or very stiff clay, at least several tens of m in thickness, characterized by a gradual increase of mechanical properties with depth (V_{s30}=360–800 m/s).
C	Deep deposits of dense or medium dense sand, gravel or stiff clay with thickness from several tens to many hundreds of m (V_{s30}=180–360 m/s).
D	Deposits of loose-to-medium cohesionless soil (with or without some soft cohesive layers), or of predominantly soft-to-firm cohesive soil (V_{s30}<180 m/s).
E	A soil profile consisting of a surface alluvium layer with V_s values of type C or D and thickness varying between about 5 m and 20 m, underlain by stiffer material with V_s>800 m/s.

3 Legend

CH	Cross-Hole
DH	Down-Hole
ES	ESAC
FK	FK
MW	MASW
NW	NASW
SH	SH-Refraction
SW	SASW
___	_____

Topography classification

Topography category[4]
T1

4 Legend

T1	Flat surface, isolated slopes and cliffs with average slope angle i≤15°.
T2	Slopes with average slope angle i>15°.
T3	Ridges with crest width significantly less than the base width and average slope angle 15°≤i≤30°.
T4	Ridges with crest width significantly less than the base width and average slope angle i>30°.

Synthesis of information

Information relevant to site classification		Notes
V_{s30} (m/s)		
Average N_{SPT} to 30m		
Average c_U to 30m (kPa)		
Site class (EC8 – NTC2008)	C*	
Topography category (EC8 – NTC2008)	T1	

Geological, geomorphological and geomechanical information

Lithology		
Morphology	Valley centre	
Rock mass		

Other information relevant to seismic site response

Depth to bedrock (m)		
Average V_s to bedrock (m/s)		
f_0 from H/V microtremors (Hz)		
f_0 from H/V earthquakes (Hz)		

Distinctive features of site response		