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

IMAA

Recording Station

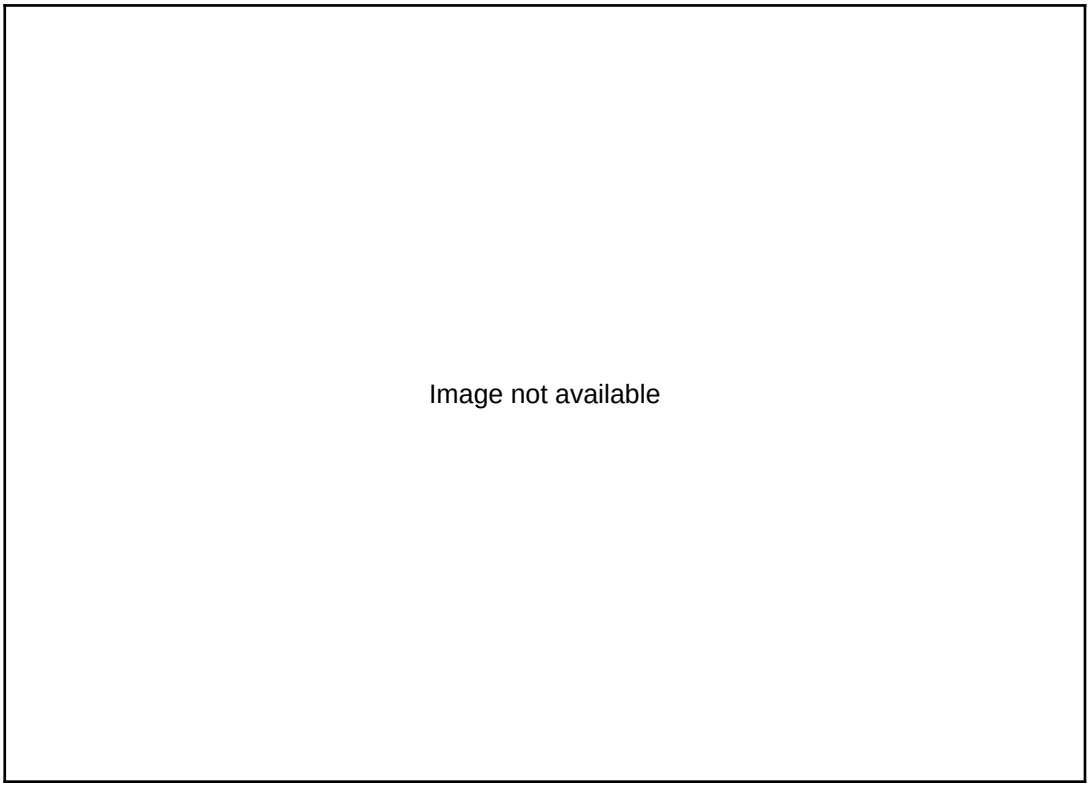
Tito Scalo CNR-IMAA

Network

Temporary network

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

General Information

Station photograph	
Code	IMAA
Owner	Istituto di Metodologie per l’analisi ambientale - Consiglio Nazionale delle ricerche Contrada Santa Loja
Housing	
Instrumentation	

Geographical Information (1/2)

Location

Region	BASILICATA
Province	Potenza
City	TITO
Place / Address	Tito Scalo, CNR-IMAA, Contrada Santa Loja – Zona Industriale, 85050
ISTAT Code	076089
Notes	

Location map
(Italy and Region)

Geographical Information (2/2)

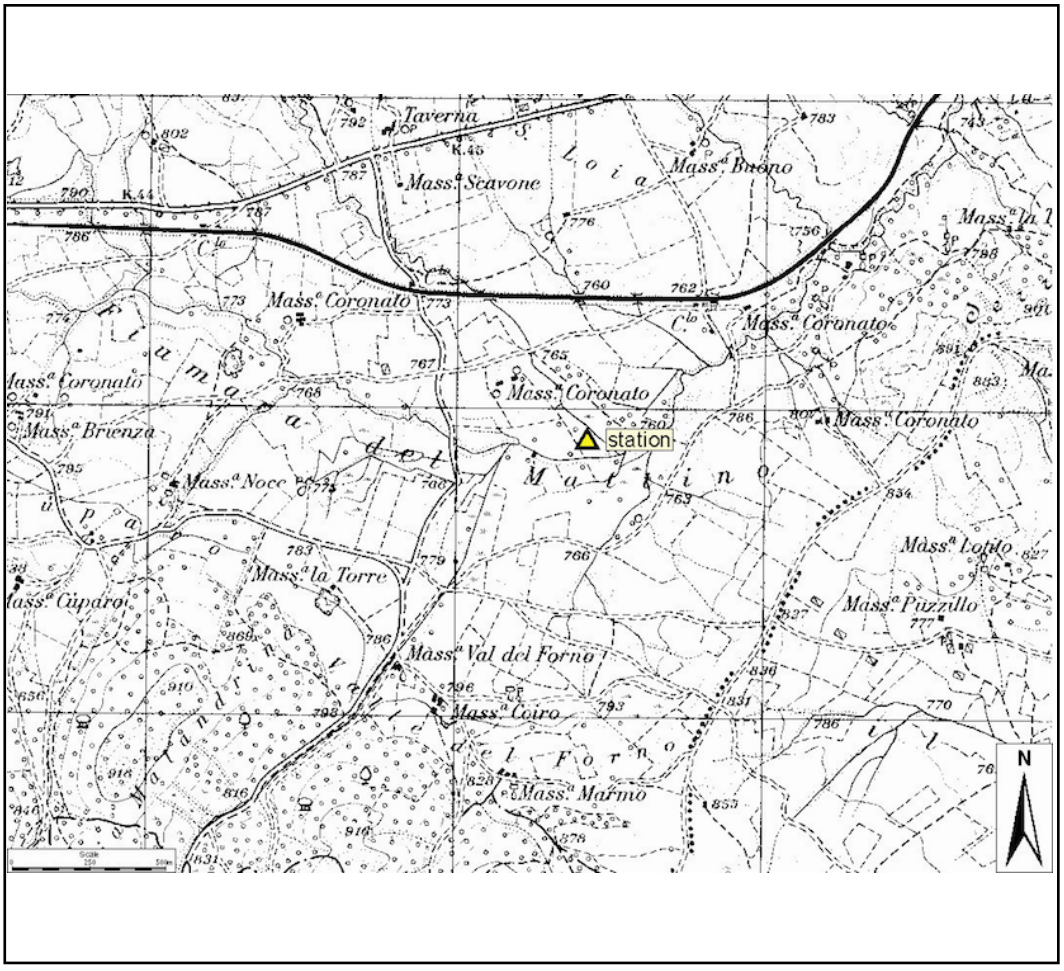
Coordinates

	Latitude	Longitude
Geographic (WGS84)	40.601000	15.724000
Elevation (m a.s.l.)	828	

Cartography

	Scale	Code
Topographic map (I.G.M.I.)	1:25.000	null null null
	Scale	**Element number**
Regional technical map (C.T.R.)		F.199 I N.O. (topographic map 1

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

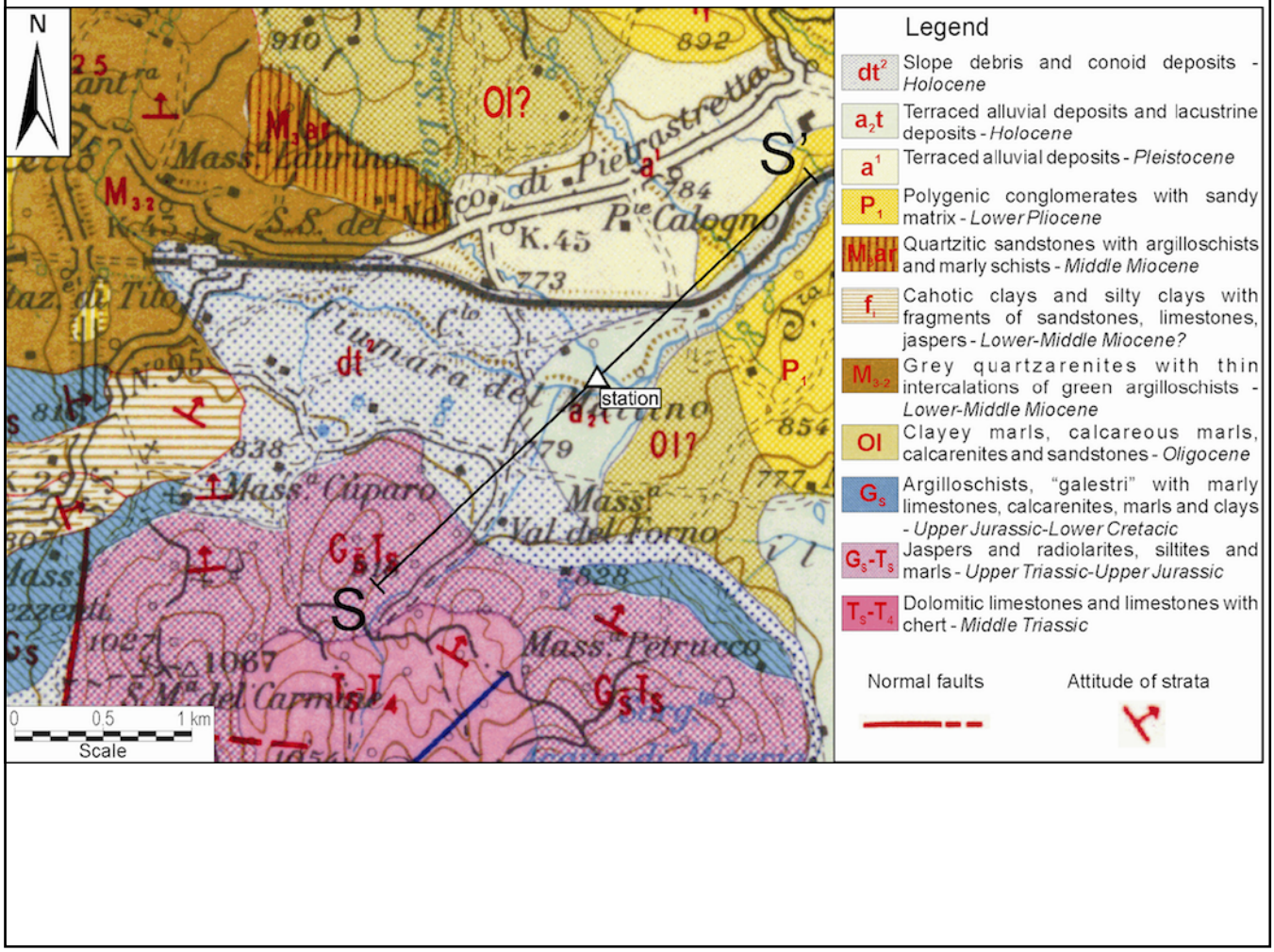
Image not available

Notes

Geology

Cartography

	Scale	Sheet number	Sheet name
Geological map			



Fault proximity

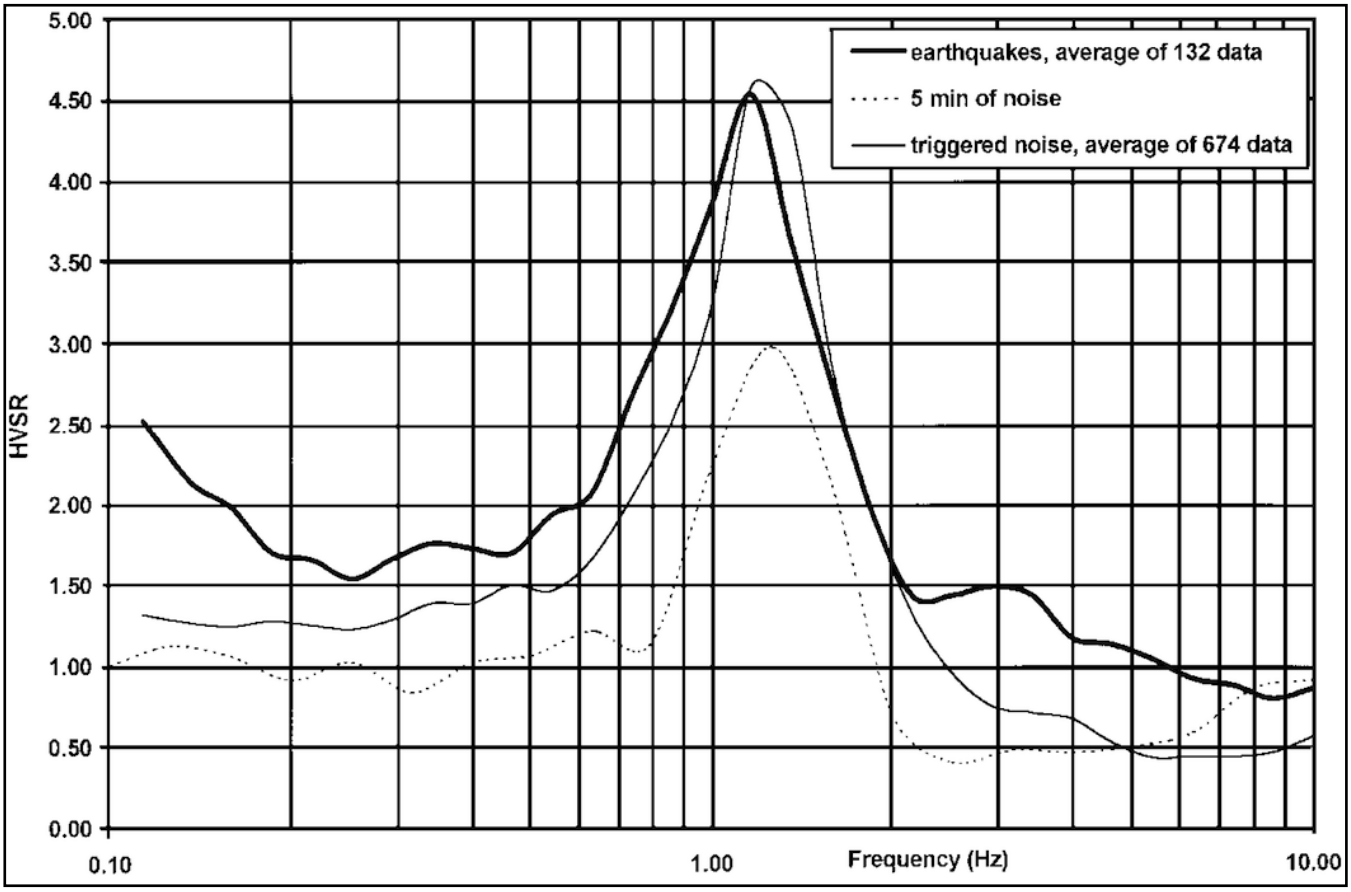
certain ☐

supposed ☐

(see notes for further information)

Notes

Microtremor H/V spectral ratio



$f_{0\ (mt)}$ (Hz)	1.17

Site classification (EC8 – NTC2008)

Lithostratigraphic classification

Estimated

Method[1]	Soil class[2]	Notes

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]
DH	175.0	D

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)	175.0	
Average N_{SPT} to 30m		
Average c_U to 30m (kPa)		
Site class (EC8 – NTC2008)	D	
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)	90.0	
Average V_s to bedrock (m/s)		
f_0 from H/V microtremors (Hz)	1.17	
f_0 from H/V earthquakes (Hz)	1.06	

Distinctive features of site response		