

# Appendices



## Appendix A-I

### Data on landforms and land characteristics

<b>All land characteristics</b>	Soil-tp Soil type Fert (Fertile (Luvi, Verti, Fluvi)) M. fert (Marginally fertile) Unfert (Unfert(Areno,Rego,Plano,Litho ))
Slope Slope percentage F1 (Flat or almost flat) [0-2 %] Gs (Gently sloping) [2-8 %] S (Sloping) [8-13 %] Ms (Moderately steep) [13-25 %] St (Steep) [25-55 %] Vs (Very steep) [55-100 %]	Drain Drainage classes Poor (Poorly drained) Well (Well-drained) Exces (Excessively drained)
Sd Soil depth A (Less than 30 cm) [0-30 cm] B (More than 30 cm) [30-200 cm]	Lime CaCo3 Non (Non-calcareous) Mod (Moderately calcareous) Very (Very calcareous)
Top-lith Topsoil lithology s (sand) ls (loamy sand) cs (clayey sand) si (silt) sil/lsi (silty loam/loamy silt) ssi (sandy silt) c (clay) lc (loamy clay) sc (sandy clay) l (loam) cl (clayey loam) m (marl) sl (sandy loam) bedrock (Bedrock)	Sub-lith Subsoil lithology s (sand) ls (loamy sand) cs (clayey sand) si (silt) sil/lsi (silty loam/loamy silt) csi (clayey silt) ssi (sandy silt) c (clay) lc (loamy clay) sc (sandy clay) l (loam) cl (clayey loam) m (marl) Lime (Limestone) Bedrock (Bedrock) C-hor. (C-horizon)
Stone Stoniness class Ns (No stones) [0-.01 %] Fs (Fairly stony) [.01-.1 %] S (Stony) [.1-3 %] Vs (Very stony) [3-15 %] Es (Exceedingly stony) [15-90 %] R1 (Rubble land) [90-100 %]	Rock Rock outcrop classes Nr (No rocks) [0-2 %] Fr (Fairly rocky) [2-10 %] R (Rocky) [10-25 %] Vr (Very rocky) [25-50 %] Er (Extremely rocky) [50-90 %] Ro (Rock outcrop) [90-100 %]

Table 1 Legend of land characteristics

Salento Isthmus	Slope	Soil depth	Topsoil lithology	Subsoil lithology	Drain	Stone	Rock	Lime	Soil-type
<b>Brindi-DP</b>	Fl	B	cl	lc	Well	Fs	Nr	Very	M. fert
<b>Brindi-PL-dp</b>	Fl	B	sl	C-hor.	Well	Vs	Nr	Mod	Fert
<b>Brindi-Pl-sh</b>	Fl	A	sl	Bedrock	Well	Vs	Nr	Very	Unfert
<b>Brindi-UL</b>	Fl	A	l	Bedrock	Well	Rl	Vr	Very	Unfert
<b>Mot-CRV-v/t</b>	Gs	B	sil/lsi	Bedrock	Well	Ns	Nr	Mod	
<b>Mot-CRV-w</b>	Vs	A	bedrock	Bedrock	Exces	Fs	Er	Non	Unfert
<b>Mot-HP-fl</b>	Fl	B	sl	Bedrock	Well	Vs	Ro	Non	M. fert
<b>Mot-HP-s</b>	Ms	A	sl	Lime	Well	Vs	Er	Very	Unfert
<b>Mot-HP-t</b>	Fl	A	sl	Lime	Well	Fs	Er	Very	Unfert
<b>Mot-UgSL-t/s</b>	Gs	A	l	Bedrock	Poor	Vs	Vr	Non	Unfert
<b>Mot-UgSL-v</b>	Fl	B	ls	ls	Well	Ns	Nr	Very	Fert
<b>Mot-UgSL-v2</b>	Fl	A	sl	Bedrock	Well	S	Fr	Mod	M. fert
<b>Murge-CRV</b>	Fl	A	l	Bedrock	Poor	Es	Fr	Non	Unfert
<b>Murge-CSL-up</b>	Gs	B	sil/lsi	cl	Poor	Es	R	Very	Fert
<b>Murge-DP</b>	Fl	B	l	c	Poor	Ns	Nr	Non	Unfert
<b>Murge-HP-s</b>	St	B	l	Bedrock	Poor	Es	R	Mod	Unfert
<b>Murge-HP-t</b>	Fl	A	ssi	Bedrock	Well	Es	Fr	Very	Unfert
<b>Murge-RL-t/s</b>	Ms	A	l	Lime	Poor	Vs	R	Very	Unfert
<b>Murge-RL-v</b>	Fl	B	l	l	Poor	Ns	Nr	Mod	Fert
<b>Murge-RV</b>	Fl	B	sil/lsi	sil/lsi	Poor	Fs	Nr	Non	Fert
<b>Murge-SS</b>	Ms	A	l	Bedrock	Well	Vs	Fr	Mod	Unfert
<b>Murge-SSS</b>	Vs	A	sil/lsi	Lime	Poor	Es	Vr	Very	Unfert
<b>Pal-RV-t</b>	Fl	B	sl	s	Poor	Ns	Nr	Mod	Fert
<b>Pal-RV-v</b>	Fl	B	sc	sc	Poor	Fs	Nr	Very	Fert
<b>Pal-SSS</b>	St	A	bedrock	Bedrock	Exces	Es	Er	Very	Unfert
<b>Pal-SgSL-dp</b>	Gs	B	ssi	ssi	Well	Es	Nr	Non	Fert
<b>Pal-SgSL-sh</b>	Gs	A	sil/lsi	Lime	Well	Vs	Er	Very	Unfert
<b>Taranto-DN</b>	Gs	B	s	s	Exces	Ns	Nr	Very	Unfert

Table 2 Salento Isthmus landforms with their land characteristics

Agro Pontino	Slope	Soil depth	Topsoil lithology	Subsoil lithology	Drain	Stone	Rock	Lime	Soil-type
BGrap-Pl-aeo	Gs	B	s	s	Well	Ns	Nr	Very	Fert
BGrap-Pl-cly	Fl	B	c	c	Poor	Ns	Nr	Non	M. fert
BGrap-UL-br	Gs	B	sl	sc	Well	Ns	Nr	Mod	Fert
BGrap-UL-lg	Fl	B	sl	c	Poor	Ns	Nr	Non	Fert
Fogl-DN	Gs	B	s	s	Exces	Ns	Nr	Very	Unfert
Lat-PL-Am 2	Fl	B	sc	c	Well	Ns	Nr	Non	Fert
Lat-PL-Am 3	Gs	B	sc	sc	Exces	S	Nr	Non	M. fert
Lat-Pl-Alluv	Fl	B	sil/lsi	sil/lsi	Well	Vs	Nr	Non	M. fert
Lat-Pl-Am 1	Fl	B	c	c	Poor	Ns	Nr	Very	Unfert
Lepi-Mt-Stee	St	A	l	Lime	Exces	Es	Er	Very	Unfert
Lepi-Mt-mod	Ms	A	s	Lime	Exces	Es	Er	Very	Unfert
Lepi-RV	Gs	B	l	l	Well	Ns	Nr	Non	Fert
Lepi-UgSL-al	Gs	B	sl	ls	Well	Es	Nr	Non	Fert
Lepi-UgSL-sl	Gs	B	l	Bedrock	Exces	Es	Fr	Very	M. fert

Table 3 Agro Pontino landforms with their land characteristics

Sibaritide	Slope	Soil depth	Topsoil lithology	Subsoil lithology	Drain	Stone	Rock	Lime	Soil-type
Cerchia-HL	Vs	A	si	Bedrock	Exces	Es	Ro	Very	Unfert
Lauro-RV-fp	Fl	B	sc	C-hor.	Poor	Ns	Nr	Very	Fert
Lauro-RV-t	Fl	B	sil/lsi	C-hor.	Well	Ns	Nr	Very	Unfert
Lauro-USL	S	B	si	si	Well	Es	Fr	Very	Unfert
Sybaris-PL	Fl	B	si	csi	Well	Vs	Nr	Very	Unfert

Table 4 Sibartide landforms with their land characteristics

## Appendix A-II

### Amaseno core descriptions (chapter 3)

**Core 1)** Date: 7 August 1998

Location: near Casaletta Prete

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 0% = class 1 (flat or almost flat)

Vegetation or land use: fallow (grassland)

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: none

*Lithology:*

Alluvium on top of lagoonal clay

At 260 cm sand with shells

**Core 2)** Date: 10 August 1998

Location: circa 500 m north of Colle Mazzocchio

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 1% = class 1 (flat or almost flat)

Vegetation or land use: farmland (maize)

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-70 cm: Ap (sharp boundary to)

70-170 cm: C1-structureless (very firm) dark brown clay (sharp boundary to)

170-> 400 cm: C2-alternation of peaty clay with shell fragments shells (small snails) and black peat

Profile is non-calcareous.

**Core 3)** Date: 24 August 1998

Location: 600 m north of Colle Mazzocchio

Elevation: 5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 1% = class 1 (flat or almost flat)

Vegetation or land use: farmland (maize)

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-80 cm: Ap

80-200 cm: C1- Structureless (very firm) dark brown (7,5 YR 3/3) clay

> 200 cm: Alternation van black peat en lagoonal clay. Sand layers with limestone pebbles occur.

Profile is non-calcareous.

**Core 4)** Date: 13 August 1998

Location: circa 1 km north of Colle Mazzocchio

Elevation: 5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 1% = class 1 (flat or almost flat)

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-50 cm: Ap- Non-calcareous, structureless (loose) clay

50-275 cm: C1- Non-calcareous, structureless (very firm) dark brown sandy clay with micas

275->295 cm: C2- Calcareous loamy sand (loose), dark olive grey

**Core 5)** Date: 13 August 1998

Location: circa 1 km north-east of Colle Mazzocchio next to sandy road

Elevation: 6 m above sea level

Physiographic position of the site: plain with artificial levées

Slope on which profile is sited: 2-3% = class 2

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0- 40 cm: Ap- Structureless (loose) sandy clay

40-375 cm: C1- Structureless (very firm) dark brown clay

375-> 420 cm: C2- Structureless (very firm), very dark grey clay with charcoal

Profile is non-calcareous.

**Core 6)** Date: 13 August 1998

Location: north of S. Isidoro

Elevation: 6 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1 (flat or almost flat)

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: none

*Lithology:*

0-10 cm: Ap- Structureless (loose) sandy clay

10-315 cm: C1- Structureless (very firm) dark brown clay

315->345 cm: C2- Structureless (very firm) very dark grey clay

Profile is non-calcareous.

**Core 7)** Date: 13 August 1998

Location: east of S. Isidoro, Strada del Ponte Maggiore

Elevation: 6 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1 (flat or almost flat)

Vegetation or land use: mowed grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-70 cm: Ap- Structureless (loose) sandy clay

70-330 cm: C1- Structureless (very firm) dark brown clay

330->345 cm: C2- Structureless (very firm), dark olive grey clay

Profile is non-calcareous.

**Core 8)** Date: 24 August 1998

Location: next to Colle Mazzocchio with the red houses

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 1% = class 1 (flat or almost flat)

Vegetation or land use: farmland (maize)

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-90 cm: Ap- humic clay with organic material. Incorporation of colluvium. Very dark grey and dark brown colours

90-210 cm: C1- Structureless (very sticky) dark brown to brown clay with charcoal

210-460 cm: C2- structureless (very sticky), dark greyish brown clay with charcoal spots and limestone pebbles. Between 300 cm en 450 cm a peat layer of 2 cm.

460->525 cm: C3- peat with alder and reed, snails.

Profile is non-calcareous

**Core 9)** Date: 18 August 1998

Location: between Migliara 53 and 54, east of Via Appia

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 0% = class 1 (flat or almost flat)

Vegetation or land use: fallow

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:* anthropogen

**Core 10)** Date: 18 August 1998

Location: between Migliara 53 and 54, east of Via Appia

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 0% = class 1 (flat or almost flat)

Vegetation or land use: fallow

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:* at 100 cm below surface a shell layer of 30 cm below disturbed lagoonal clay.

**Core 11)** Date: 18 August 1998

Location: Migliara 54, east of Via Appia

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 0% = class 1 (flat or almost flat)

Vegetation or land use: grass-land

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:* ploughed lagoonal clay with Fe and Mn pebbles (about 1 cm); too heavy to core below 150 cm.

**Core 12)** Date: 18 August 1998

Location: circa 1 km south of Pod.e Casanello, next to the road

Elevation: 4 m above sea level

Physiographic position of the site: convex slope

Slope on which profile is sited: 1% = class 1 (flat or almost flat)

Vegetation or land use: farmland (tomato's)

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-30 cm: Ap- Structureless (loose) dark grey brown sandy clay  
 30-195 cm: C1- Structureless (very firm), very dark brown clay  
 195-293 cm: C2- Structureless (very firm), very dark grey clay. Fragments of vegetation  
 293->640 cm: C3- Black peat with alder wood and roots

Profile is non-calcareous.

**Core 13)** Date: 13 June 1974

Location: along Strada del Confine

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (grain)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-45 cm: Ap, dark brown clay, very firm, subangular blocky structure  
 45-100 cm: C1- yellowish red clay, firm to very firm, Fe and Mn spots, abrupt boundary to:  
 100-250 cm: C2- black clayey peat, friable; woody peat, dark brown, friable; dusky red peaty clay, friable;  
 (abrupt boundary to):  
 250-310 cm: sandy 'verslagen' peat with shells; (abrupt boundary to):  
 310>320 cm: C3- very dark grey fine sand with shells

**Core 14)** Date: 13 June 1999

Location: Strada del Confine

Elevation: 2 m above sea level

Physiographic position of the site: convex slope

Slope on which profile is sited: class 1

Vegetation or land use: farmland (wheat)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-25 cm: Ap  
 25-160 cm: C1- brown, firm to very firm, clay, Fe and Mn spots; (gradual boundary to):  
 160>220 cm: C2- peat with wood and shells

Profile is calcareous

**Core 15)** Date: 13 June 1974

Location: Strada del Confine

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (alfalfa)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-30 cm: Ap; (gradual boundary to):  
 30 > 120 cm: C1- very firm, yellowish red clay with Fe and Mn spots

**Core 16)** Date: 13 June 1974

Location: Strada del Confine

Elevation: 1.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (alfalfa)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-25 cm: Ap

25-210 cm: C1- very firm dark reddish to very dark greyish brown, clay, Fe and Mn spots

Profile is weakly calcareous

**Core 17)** Date: 13 June 1974

Location: Strada del Confine

Elevation: 1 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: fallow

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-40 cm: Ap

40-150 cm: C1- firm to very firm clay, greyish brown to dark greyish brown, Fe and Mn, from 110-150 cm slightly calcareous

150>220 cm: C2- sticky, dark reddish grey clay, Mn is increasing downwards, from 200 cm downward fragments of vegetation

**Core18)** Date: 13 June 1974

Location: Strada del Confine

Elevation: 1.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ?

*Lithology:*

0-45 cm: Ap

45-205 cm: C1- very firm to slightly sticky clay, dark brown to dark greyish brown, Fe and Mn, non-calcareous to slightly calcareous; (clear boundary to):

205>210 cm: C2- 'verslagen' peat

**Core 19)** Date: 19 June 1974

Location: North of the end of Migliara 54, 1 km north of Pod.e Casanello

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: pastoral

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-35 cm: Ap, sand

35>120 cm: C1- loose, coarse sand on top of firm, loamy sand, Fe

Profile is non-calcareous

**Core 20)** Date: 12 June 1974

Location: 750 m south of Colle Mazzocchio

Elevation: 4 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: ?

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-40 cm: Ap

40>170 cm: C1- very firm to sticky clay, colour changes at 170 cm downwards from yellowish red to grey (lagoonal or reduction?)

**Core 21)** Date: 12 June 1974

Location: 500m east of Casalette Prete

Elevation: 4 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: wheat

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-45 cm: Ap

45>220 cm: C1- dark brown to brown, very firm clay, Fe

**Core 22)** Date: 12 June 1974

Location: 300m east of Casalette Prete

Elevation: 4 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (wheat)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-50 cm: Ap

50>190 cm: C1- very firm clay, brown to reddish brown, Fe decreases to zero at 120 cm, from 70 cm downwards Ca-pebbles

**Core 23)** Date: 11 June 1974

Location: 200m south of Casalette Prete

Elevation: 3vm above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (alfalfa)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-50 cm: Ap

50-180 cm: C1- brown, very firm clay, from 160-165 cm: sand layer, Fe en Mn concretions, Fe spots decreasing downwards; (clear boundary to):

180-250 cm: C2- brown, loamy sand, slightly sticky; (abrupt boundary to):

250-510 cm: loamy sand

**Core 24)** Date: 11 June 1974

Location: 1 km south-Southwest of Casalette Prete

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (wheat)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-30 cm: Ap

30>140 cm: C1- very dark grey to dark grey clay, very firm, many Fe and few Mn spots and many soft Fe concretions < 2 cm and Ca pebbles < 2 cm, from 135 cm downwards: shell fragments

**Core 25)** Date: 18 June 1974

Location: Via Appia, near C. Palmaca

Elevation: 0 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: tomatos and maize

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-90 cm: Ap

90>120 cm: C1- yellowish red, firm clay, with shell fragments, calcareous

**Core 26)** Date: 18 June 1974

Location: Via Appia, 200m south of C. Palmaca

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-15 cm: Ap

15-50 cm: C1- reddish brown, firm clay, calcareous

50>120 cm: C2- very dark grey clayey peat with relatively large vegetation fragments

**Core 27)** Date: 18 June 1974

Location: 1 km south-Southwest of C. Palmaca

Elevation: 0,6 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (lucerne)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0 > 120 cm: C- reddish brown, firm clay, Fe and Mn spots, increasing downwards

**Core 28)** Date: 16 June 1975

Location: 1 km north of Porto Badino

Elevation: 0 m above sea level

Physiographic position of the site: plain<sup>7</sup>

Slope on which profile is sited: class 1

Vegetation or land use: farmland (barley)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-20 cm: Ap; (gradual boundary to):  
 20-115 cm: C1- peat; (abrupt boundary to):  
 >115 cm: C2- sand with relatively a lot of shell fragments

**Core 29)** Date: 16 June 1975

Location: 1 km north of Porto Badino

Elevation: 0 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: farmland (barley)

Stoniness classes: ?

Rock outcrop classes: ?

Human influence: ploughing

*Lithology:*

0-15 cm: Ap

15-60 cm: C1- firm, sandy clay, dark yellowish brown, shells

60&gt;90 cm: C2- sticky, loamy brown sands and from 90 cm downwards very dark grey (reduction zone), shells

**Core 30)** Date: 16 April 1999

Location: 300 m north of Casa Corvina

Elevation: 5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 1 % = class 1

Vegetation or land use: grassland and farmland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-40 cm: Ap- very weak sandy clay, dark brown, firm

40-300 cm: C1- reddish brown firm clay, Mn-spots

300&gt;365 cm: C2?- very weak sandy clay, brown grey, firm (oxidation/reduction)

Remarks: according to local farmer at a depth of 800 cm salt-water molluscs appear: marine influence?

Profile is non-calcareous.

**Core 31)** Date: 16 April 1999

Location: 750 m east of Mazzocchio

Elevation: 5.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: cash crops

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing, addition of limestone pebbles

*Lithology:*

0-15 cm: Ap

15-260 cm: C1- very firm, reddish brown clay, Mn and Fe pebbles from 140 cm downward

&gt;260: C2- very firm brown grey clay, with shell fragments

Profile is non-calcareous.

**Core 32)** Date: 16 April 1999

Location: 700 m north-west of Capo di Coccio

Elevation: 4 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: fallow

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-20 cm: Ap

20-260 cm: C1- very firm clay, with Mn pebbles max. 1 cm (relatively a lot). Colour is more brown than in cores 30 & 31!

260-330 cm: hiatus

330>350 cm: C2?- grey, very firm clay, no shell fragments (reduction-zone?)

Profile is non-calcareous.

**Core 33)** Date: 17 April 1999

Location: 1.25 km north-northeast of Pod.e Casanello

Elevation: 4 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-40 cm: Ap

40-100 cm: C1- weakly sandy clay, dark brown, very firm, with Fe and Mn pebbles and brick fragments

100-270 cm: C1?- very firm, brown clay

270>295 cm: C2- dark grey, very firm, calcareous! clay with shell fragments (lagoonal)

Rest of the profile is non-calcareous.

**Core 34)** Date: 17 April 1999

Location: Fiuma Amaseno, 2 km east of Pod.e Casanello

Elevation: 6.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: fallow

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-40 cm: Ap

40-160 cm: C1- dark brown clay, with Mn and brick fragments, 230-240 cm: Mn bank with pebbles of 0.5 cm

160-355 cm: C1- brown clay with Fe spots

355>425 cm: C2- calcareous clay with fragments of leafs and roots (lagoonal)

**Core 35)** Date: 17 April 1999

Location: 500 m north-east of Ponte della Conella

Elevation: 6 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: fallow

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: non

*Lithology:*

0-230 cm: C1- very firm, dark brown clay, with Mn and Fe spots

230>450 cm: C2?- firm, dark grey clay, with limestone fragments (reduction?)

**Core 36)** Date: 18 April 1999

Location: Strada dei Nove Ponti

Elevation: 1 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-10 cm: Ap – clay

10-165 cm: C1- clay, Mn and Fe spots, (coll/all) sharp boundary to:

165-170 cm: C2- clay, (lagoonal)

170-210 cm: C3- peat, with fragments leaves and wood

210-215 cm: organic clay

215-225 cm: alternation of lagoonal clay and peat

225-445 cm: lagoonal clay with small peaty layers, shells at 220 cm, fragments of reed

445-450 cm: shell layer

450-540 cm: C4- calcareous gyttja, pale olive, complete shells and shell fragments, calcareous

540-545 cm: C5- sand layer

545-1300 cm: C6- lagoonal clay, a lot of shells, first 300 cm fragments of vegetation, at 1230 to 1235 cm: peaty clay

**Core 37)** Date: 19 April 1999

Location: Fiuma Amaseno, 500 m north of Capo di Coccio

Elevation: 7 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: fallow

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-20 cm: Ap

20>420 cm: C1- clay (coll/all), firm to very firm

from 220 cm downwards texture gets courser, more and more pebbles of limestone of

1 cm, colour gets reddish, more charcoal, micas and other volcanic minerals, Fe and Mn spots.

From 400 cm downward, texture gets finer.

**Core 38)** Date: 19 April 1999

Location: 750 m south of Strada dei Nove Ponti

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: non

*Lithology:*

0-145 cm: C1-dark brown, very firm clay

145-155 cm: C2-lagoonal clay with fragments of vegetation, non-calcareous

155-240 cm: C3-clayey peat with fragments of wood and leaves

**Core 39)** Date: 19 April 1999

Location: west of Font.ra del Fico

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-30 cm: Ap, loose

30-120 cm: C1- very firm, sandy clay (all/coll), Fe and Mn spots and pebbles, relatively a lot limestone pebbles of max. 1 cm

120-135 cm: C2- lagoonal clay on top of peat, non-calcareous

**Core 40)** Date: 19 April 1999

Location: 750 m south of Strada dei Nove Ponti

Elevation: 3 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-50 cm: Ap, clay

50-280 cm: C1- weak sandy clay, downwards more Mn pebbles of max 2 cm, a lot of Fe, at 260 cm charcoal

280-340 cm: C2- lagoonal clay, downward more humus, charcoal and fragments of wood

340-385 cm: C3- black peat with fragments of wood

385-390 cm: transition zone

390>415 cm: C4- calcareous gyttja

**Core 41)** Date: 20 April 1999

Location: 250 m south of Fossanuova

Elevation: 17 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ?

*Lithology:*

0-80 cm: C1- yellow brown, loose sand, Fe and Mn spots, more clay downwards

80>140 cm: C2- dark brown, firm, sandy clay, Mn spots and micas

Profile is non-calcareous

**Core 42)** Date: 20 April 1999

Location: 1.5 km north east of Casaletta Prete

Elevation: 4.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-30 cm: Ap, loose

30-350 cm: C1- alternation of dark brown, very firm, weakly sandy clay and sandy clay with pebbles of max. 2 cm, Fe and Mn pebbles

350>380 cm: C2- very dark grey, firm clay (reduction?)

Profile is non-calcareous

**Core 43)** Date: 20 April 1999

Location: 1 km south of S. Isidore

Elevation: 5.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-30 cm: Ap, loose

30-280 cm: C1- very firm clay with Mn and Fe spots and pebbles

280&gt;320 cm: C2?- firm to very firm clay (reduction?)

Profile is non-calcareous

**Core 44)** Date: 20 April 1999

Location: 500 m east of Ponte Maggiore

Elevation: 1 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: 0% = class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-30 cm: Ap, loose to firm

30-215 cm: C1- dark brown, firm clay, charcoal layer, Mn pebbles, wood and fragments of vegetation

215-230 cm: C2?- firm, dark grey clay, fragments of wood and vegetation (reduction?)

230&gt;250 cm: C3- black peat with wood

Profile is non-calcareous

**Core 45)** Date: 20 April 1999

Location: 1 km north of C. Palmacci

Elevation: 2 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-40 cm: Ap

40-125 cm: C1- clay, (coll/all), Fe and Mn spots

125&gt;250 cm: C2- peaty clay with fragments of wood and roots

Profile is non-calcareous

**Core 46)** Date: 22 April 1999

Location: near Capo di Coccio

Elevation: 5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-30 cm: Ap, loose

30-170 cm: weak sandy clay to sandy clay, firm

170-230 cm: sandy clay with pebbles of max. 1 cm, firm  
 230-410 cm: very firm, dark brown clay with Mn pebbles  
 410-610 cm: alternation of very firm, dark grey sandy clay with pebbles and weakly sandy clay;  
 at a depth of 500 cm charcoal on top of a sandy layer with pebbles max. 1 cm  
 610>660 cm: layers of light grey in the dark grey sandy clay and tuff pebbles. A lot of Fe and Mn pebbles  
 Profile is non-calcareous.

**Core 47)** Date: 22 April 1999

Location: 500 m east of Pod.e Casanello

Elevation: 2.5 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: grassland

Stoniness classes: 0

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-40 cm: Ap

40-250 cm: C1 – dark reddish brown, sticky to firm clay, Fe and Mn spots, (sharp boundary to):

250-310 cm: C2- black peat, fragments of wood and vegetation, (sharp boundary to):

310-315 cm: C3- layer of clay pebbles, dark olive grey, (sharp boundary to):

315-320 cm: C4- black peat

320>365 cm: C5- dark grey sticky sandy clay, limestone pebbles and tuff pebbles

Profile is non-calcareous.

**Core 48)** Date: 23 April 1999

Location: 1 km south-west of Prossedi

Elevation: 30 m above sea level

Physiographic position of the site: plain

Slope on which profile is sited: class 1

Vegetation or land use: fallow

Stoniness classes: 2 (stony)

Rock outcrop classes: 0

Human influence: ploughing

*Lithology:*

0-50 cm: C1- loose, sandy clay

50-60 cm: C1- loose clayey sand

60>70 cm: C1- weakly sandy clay with micas and other minerals and sandstone pebbles of max. 2 cm

## **Appendix B**

### **Land Utilisation Types, Land Use Requirements and severity levels**

#### **1 Land utilisation type 'Ssf': Self-subsistence farming (Bronze, Iron and Roman Age)**

##### Land Use Requirements

Requirement 'Erosion': Water erosion hazard  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Moist': Moisture availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Work': Workability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

#### **2 Land utilisation type 'Pcfp': Permanent cultivation of favoured plots (Bronze Age)**

##### Land Use Requirements

Requirement 'Moist': Moisture availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

### **3 Land utilisation type 'Ccult-other': Cereal cultivation of other wheat varieties (Bronze Age)**

Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

### **4 Land utilisation type 'Cult': Cereal cultivation (emmer wheat, Bronze Age)**

Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

## **5 Land utilisation type 'olive': Small-scale olive cultivation (Bronze Age)**

### Land Use Requirements

Requirement 'Erosion': Water erosion hazard  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Moist': Moisture availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

## **6 Land utilisation type 'vine': Small-scale vine cultivation (Bronze Age)**

### Land Use Requirements

Requirement 'Moist': Moisture availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Root': Rooting conditions  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

## **7 Land utilisation type 'Pcfp-IA': Permanent cultivation of favoured plots (Iron Age)**

### Land Use Requirements

Requirement 'Moist': Moisture availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

Requirement 'Work': Workability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

## **8 Land utilisation type 'Cereal-vine': Mediterranean polyculture of cereals with vine (Iron Age)**

### Land Use Requirements

Requirement 'Moist': Moisture availability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

Requirement 'Work': Workability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

## **9 Land utilisation type 'Cereal-olive': Mediterranean polyculture of cereals with olives (Iron Age)**

### Land Use Requirements

Requirement 'Moist': Moisture availability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
 3 severity levels; severity level Decision Tree  
 class # 1 = No problem  
 class # 2 = Slightly limited  
 class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

## **10 Land utilisation type 'Barley-RA': Large-scale barley cultivation (Roman Age)**

Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

## **11 Land utilisation type 'Millet-RA': Large-scale millet cultivation (Roman Age)**

Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree # 38

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

**12 Land utilisation type 'RA-Ccult' : Large-scale cereal cultivation (emmer wheat, Roman Age)**

## Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

**15 Land utilisation type 'RA-Ccult-other': Large-scale cereal cultivation of other wheat (Roman Age)**

## Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree # 33

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree # 34

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

**16 Land utilisation type 'RA-cereal-olive': Mediterranean polyculture of cereals with olives (Roman Age)**

## Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

**17 Land utilisation type 'RA-cereal-vine': Mediterranean polyculture of cereals with vine (Roman Age)**

## Land Use Requirements

Requirement 'Moist': Moisture availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Nutrient': Nutrients availability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

Requirement 'Work': Workability

3 severity levels; severity level Decision Tree

class # 1 = No problem

class # 2 = Slightly limited

class # 3 = Limited

**18 Land utilisation type 'Spc-olive': Roman Age specialised olive cultivation**

## Land Use Requirements

Requirement 'Erosion': Water erosion hazard  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Moist': Moisture availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

Requirement 'Nutrient': Nutrients availability  
3 severity levels; severity level Decision Tree  
class # 1 = No problem  
class # 2 = Slightly limited  
class # 3 = Limited

## Appendix C-I

### Land utilisation types, land use requirements and severity levels

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity level names</i>
<b>Self-subsistence farming</b>		
<i>Moisture availability</i>	<i>Drainage classes</i>	
	Poorly drained	3 = limited
	Well-drained	1 = no problem
	Excessively drained	3 = limited
	<i>Soil depth</i>	
Less than 30 cm	3 = limited	
More than 30 cm	1 = no problem	
<i>Workability</i>	<i>Slope class</i>	
	0 – 25 %	1 = no problem
	25 – 55 %	2 = sl. limited (suitable for grazing)
	55 – 100 %	3 = limited
	<i>Soil texture</i>	
	Sandy soils	1 = no problem
	Loamy soils	2 = sl. limited
Clayey soils	3 = limited	
<i>Stoniness &amp; rockiness</i>		
Classes 0 to 4	1 = no problem	
Class 5	3 = limited	
<i>Nutrient availability</i>	<i>Soil types</i>	
	Luvisols, Vertisols and Fluvisols	1 = no problem
	Arenosols, Regosols and Planosols	3 = limited
Rest	2 = sl. limited	
<i>Water erosion hazard</i>	<i>Slope class</i>	
	0 – 8 %	1 = no problem
	9 – 25 %	2 = sl. limited
	26 – 100 %	3 = limited

*Table 1 Land use requirement classification of Bronze Age self-subsistence farming*

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity level names</i>
<b>Permanent cultivation of favoured plots</b>		
<i>Moisture availability</i>	<i>Soil depth</i>	
	Less than 30 cm	3 = limited
	More than 30 cm	1 = no problem
	<i>Drainage classes</i>	
	Poorly drained	3 = limited
	Well-drained	1 = no problem
	Excessively drained	3 = limited (if no irrigation is available) or 2 = sl. limited (assumed that the soil was irrigated)
<i>Workability</i>	<i>Slope class</i>	
	0 – 25 %	1 = no problem
	> 25 %	3 = limited
	<i>Texture</i>	
	Sandy soils	1 = no problem
	Loamy soils	2 = sl. limited
	Clayey soils	3 = limited
	<i>Stoniness class</i>	
	0 – 3 %	1 = no problem
	3 – 90 %	2 = sl. limited
> 90 %	3 = limited	
<i>Rockiness class</i>		
0 – 10 %	1 = no problem	
10 – 50 %	2 = sl. limited	
50 – 100 %	3 = limited	
<i>Nutrients availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	1 = no problem
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
All other types	2 = sl. limited	

Table 2 Land use requirement classification of Bronze Age permanent cultivation on favourable plots

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Emmer wheat cultivation on medium-sized farms</b>		
<i>Moisture availability</i>	<i>Soil depth</i>	
	Less than 30 cm	3 = limited
	More than 30 cm	1 = no problem
	<i>Drainage class</i>	
	Poorly drained	2 = sl. limited
Well-drained	1 = no problem	
Excessively drained	3 = limited	
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	3 = limited
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
	All other types	1 = no problem
	<i>Lime content in the soil</i>	
Very calcareous	3 = limited	
Calcareous	3 = limited	
Non-calcareous	1 = no problem	
<i>Workability</i>	<i>Soil texture</i>	
	Sandy soils	1 = no problem
	Loamy soils	2 = sl. limited
	Clayey soils	3 = limited
	<i>Slope class</i>	
	0 – 13 %	1 = no problem
	13 – 55 %	2 = sl. limited
	> 55 %	3 = limited
	<i>Stoniness class</i>	
	0 – 3 %	1 = no problem
3 – 90 %	2 = sl. limited	
> 90 %	3 = limited	
<i>Rockiness class</i>		
0 – 10 %	1 = no problem	
10 – 50 %	2 = sl. limited	
50 – 100 %	3 = limited	
<b>Cultivation of other wheat on medium-sized farms</b>		
<i>Moisture availability</i>	<i>Soil depth</i>	
	Less than 30 cm	3 = limited
	More than 30 cm	1 = no problem
	<i>Drainage class</i>	
	Poorly drained	3 = limited
Well-drained	2 = sl. limited	
Excessively drained	1 = no problem	
<i>Workability</i>	<i>Slope class</i>	
	0 – 13%	1 = no problem
	13 – 55%	2 = sl. limited
> 55%	3 = limited	
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	1 = no problem
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
All other types	2 = sl. limited	

Table 3 Land use requirement classification of Bronze Age cereal (wheat) cultivation

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Small-scale production of olive, mainly for consumption in elite context</b>		
<i>Moisture availability</i>	<i>Drainage class</i>	
	Poorly drained	3 = limited
	Well-drained	1 = no problem
	Excessively drained	2 = sl. limited
	<i>Soil depth</i>	
	Less than 30 cm	2 = sl. limited
	More than 30 cm	1 = no problem
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	1 = no problem
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
	All other types	1 = no problem
	<i>Lime content in the soil</i>	
Very calcareous	1 = no problem	
Calcareous	1 = no problem	
Non-calcareous	3 = limited	
<i>Water erosion hazard</i>	<i>Slope class</i>	
	0 – 8 % 9 – 25 % 26 – 100 %	1 = no problem 2 = sl. limited 3 = limited

Table 4 Land use requirement classification of Bronze Age olive cultivation

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Small-scale production of grapes, mainly for consumption in elite context</b>		
<i>Moisture availability</i>	<i>Soil depth</i>	
	Less than 30 cm	3 = limited
	More than 30 cm	1 = no problem
	<i>Drainage class</i>	
	Poorly drained	2 = sl. limited
	Well-drained	1 = no problem
	Excessively drained	3 = limited
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	3 = limited
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
	All other types	1 = no problem
<i>Rooting conditions</i>	<i>Soil texture</i>	
	Sandy soils	1 = no problem
	Loamy soils	2 = sl. limited
	Clayey soils	3 = limited

Table 5 Land use requirement classification of Bronze Age grape cultivation

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity level names</i>
<b>Permanent cultivation of favoured plots</b>		
<i>Moisture availability</i>	<i>Drainage classes</i>	
	Poorly drained Well-drained Excessively drained	3 = limited 1 = no problem 3 = limited (if no irrigation was available) or 2 = sl. limited (assumed that the soil was irrigated)
	<i>Soil depth</i>	
	Less than 30 cm More than 30 cm	3 = limited 1 = no problem
<i>Workability</i>	<i>Slope class</i>	
	0 – 25 % > 25 %	1 = no problem 3 = limited
	<i>Texture</i>	
	Sandy soils Loamy soils Clayey soils	1 = no problem 2 = sl. limited 2 = sl. limited
	<i>Stoniness class</i>	
	0 – 3 % 3 – 90 % > 90 %	1 = no problem 2 = sl. limited 3 = limited
	<i>Rockiness class</i>	
	0 – 10 % 10 – 50 % 50 – 100 %	1 = no problem 2 = sl. limited 3 = limited
<i>Nutrients availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols Arenosols, Regosols, Planosols, Leptosols All other types	1 = no problem 3 = limited 1 = no problem (if fertilised regularly)

Table 6 Land use requirement classification of Iron Age permanent cultivation of favoured plots

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Mediterranean polyculture of cereals in olive groves</b>		
<i>Moisture availability</i>	<i>Soil depth</i>	
	Less than 30 cm	3 = limited
	More than 30 cm	1 = no problem
	<i>Drainage class</i>	
	Poorly drained Well-drained Excessively drained	3= limited 2 = sl. limited 1 = no problem (assumed that the olive trees were irrigated)
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	1 = no problem
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
	All other types	1 = no problem
	<i>Lime content in the soil</i>	
Very calcareous	1 = no problem	
Calcareous	1 = no problem	
Non-calcareous	3 = limited	
<i>Workability</i>	<i>Slope class</i>	
	0 – 13 %	1 = no problem
	13 – 55 %	2 = sl. limited
	> 55 %	3 = limited
<b>Mediterranean polyculture of cereals in vineyards</b>		
<i>Moisture availability</i>	<i>Soil depth</i>	
	Less than 30 cm	3 = limited
	More than 30 cm	1 = no problem
	<i>Drainage class</i>	
	Poorly drained Well-drained Excessively drained	3= limited 2 = sl. limited 1 = no problem (assumed that the grapes were irrigated)
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	3 = limited
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
	All other types	1 = no problem
<i>Workability</i>	<i>Slope class</i>	
	0 – 13 %	1 = no problem
	13 – 55 %	2 = sl. limited
	> 55 %	3 = limited

Table 7 Land use requirement classification of the Iron Age polyculture (cereal cultivation in olive and grape groves)

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Cereal cultivation on medium-sized farms</b>		
<i>Workability</i>	<i>Soil texture</i>	
	Sandy soils	1 = no problem
	Loamy soils	1 = no problem
	Clayey soils	1 = no problem
<b>Cereal cultivation in medium-sized farms</b>		
<i>Workability</i>	<i>Slope class</i>	
	0 – 13 %	1 = no problem
	13 – 55 %	2 = sl. limited
	> 55 %	3 = limited
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	1 = no problem
	Arenosols, Regosols, Planosols, Leptosols	3 = limited
	All other types	1 = no problem (if manured)

Table 8 Land use requirement classification of Archaic and Roman wheat cultivation

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Cultivation of barley on large farms</b>		
<i>Moisture availability</i>	<i>Drainage class</i>	
	Poorly drained Well-drained Excessively drained	3 = limited 2 = sl. limited 1 = no problem (assumed that the soils were irrigated)
	<i>Soil texture</i>	
	Sandy soils Loamy soils Clayey soils	1 = no problem 2 = sl. limited 3 = limited
<i>Workability</i>	<i>Soil texture</i>	
	Sandy soils Loamy soils Clayey soils	1 = no problem 1 = no problem 1 = no problem
	<i>Slope class</i>	
	0 – 13 % 13 – 55 % > 55 %	1 = no problem 2 = sl. limited 3 = limited
	<i>Stoniness class</i>	
	0 – 3 % 3 – 90 % > 90 %	1 = no problem 2 = sl. limited 3 = limited
	<i>Rockiness class</i>	
	0 – 10 % 10 – 50 % 50 – 100 %	1 = no problem 2 = sl. limited 3 = limited
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols Arenosols, Regosols, Planosols, Leptosols All other types	1 = no problem 3 = limited 1 = no problem (assumed that the soils were manured)
<b>Cultivation of millet on large farms</b>		
<i>Moisture availability</i>	<i>Drainage class</i>	
	Poorly drained Well-drained Excessively drained	2 = sl. limited (assumed that the soils were drained) 1 = no problem 3 = limited
	<i>Soil texture</i>	
	Sandy soils Loamy soils Clayey soils	1 = no problem (assumed that the soils were irrigated) 2 = sl. limited 3 = limited
<i>Workability</i>	See barley cultivation before	
<i>Nutrient availability</i>	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols Arenosols, Regosols, Planosols, Leptosols All other types	1 = no problem 3 = limited 1 = no problem
	<i>Lime content in the soil</i>	
	Very calcareous Calcareous Non-calcareous	3 = limited 3 = limited 1 = no problem

Table 9 Land use requirement classification of Archaic and Roman cereal farming

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Mediterranean polyculture of cereals in olive groves</b>		
Moisture availability	<i>Drainage class</i>	
	Poorly drained	2 = sl. limited
	Well-drained Excessively drained	1 = no problem 1 = no problem (assumed that the olives were irrigated)
Nutrient availability	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols Arenosols, Regosols, Planosols, Leptosols	1 = no problem 2 = sl. limited (assumed that the soil was manured)
	All other types	1 = no problem
<b>Mediterranean polyculture of cereals in vineyards</b>		
Moisture availability	<i>Drainage class</i>	
	Poorly drained	2 = sl. limited
	Well-drained Excessively drained	1 = no problem 1 = no problem (assumed that the grapes were irrigated)
Nutrient availability	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols Arenosols, Regosols, Planosols, Leptosols	3 = limited 2 = sl. limited
	All other types	1 = no problem

Table 10 Land use requirements of Archaic and Roman Age polyculture (cereal cultivation in olive and grape groves)

<b>LUT name</b>		
<i>LUR name (LQ)</i>	<i>Land characteristics</i>	<i>Severity levels names</i>
<b>Specialised olive cultivation</b>		
Moisture availability	<i>Drainage class</i>	
	Poorly drained	2 = sl. limited
	Well-drained	1 = no problem
	Excessively drained	2 = sl. limited
	<i>Soil depth</i>	
Less than 30 cm	2 = sl. limited	
More than 30 cm	1 = no problem	
Nutrient availability	<i>Soil type</i>	
	Luvisols, Vertisols, Fluvisols	1 = no problem
	Arenosols, Regosols, Planosols, Leptosols	2 = sl. limited
	All other types	1 = no problem
	<i>Lime content in the soil</i>	
Very calcareous	1 = no problem	
Calcareous	1 = no problem	
Non-calcareous	2 = sl. limited	
Water erosion hazard	<i>Slope class</i>	
	0 – 8 %	1 = no problem
	9 – 100 %	2 = sl. limited

Table 11 Land use requirement classification of Roman Age olive cultivation

## Appendix C-II

### Land evaluation results

Salento Isthmus	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self-subsistence farming	Olives	Grapes
Brindisi depression	3mn	3w	3w	2n	2m	3r
Brindisi plain: deep soil	3n	2mw	2w	1	1	3n
Brindisi plain: shallow soil	3mn	3mn	3mn	3mn	3n	3mn
Brindisi undulating land	3mn	3mn	3mn	3mn	1	3mn
Mottola canyon-like river valley: valley/terrace	2w	2nw	2w	1	1	2r
Mottola canyon-like river valley: wall	3mnw	3mnw	3mnw	3mne	3ne	3mnr
Mottola hill: flat part	2w	2mnw	2nw	2n	3n	2r
Mottola hill: slope	3mn	3mn	3mn	3mn	3n	3mn
Mottola hill: top	3mnw	3mnw	3mnw	3mn	3n	3mn
Mottola undulating gently sloping land: top/slope	3mn	3mn	3mn	3mn	3mn	3mn
Mottola undulating gently sloping land: deep soils	3n	2m	1	1	3m	3n
Mottola undulating gently sloping land: shallow soils	3mn	3m	3m	3m	2m	3m
Murge canyon-like river valley	3mn	3mn	3mn	3mn	3mn	3mn
Murge concavely sloping land: up		3m	3m	3m	3m	3n
Murge depression	3mn	3mn	3mn	3mn	3mn	3n
Murge hill: slope	3mn	3mn	3mnw	3mne	3mne	3n
Murge hill: top	3mn	3mn	3mn	3mn	3n	3mn
Murge rolling land: top/slope	3mn	3mn	3mn	3mn	3mn	3mn
Murge rolling land valley	3mn	3m	3m	3m	3m	3n
Murge river valley	3mn	3m	3m	3m	3mn	3n
Murge singular slope	3mn	3mn	3mn	3mn	3n	3mn
Murge singular steep slope	3mn	3mn	3mnw	3mne	3mne	3mn
Palagiano river valley: terrace	3mn	3m	3m	3m	3m	3n
Palagiano river valley: valley	3mn	3m	3m	3m	3m	3n
Palagiano singular steep slope	3mnw	3mnw	3mnw	3mne	3ne	3mnr
Palagiano straight gently sloping land: deep soil	3n	2mw	2w	1	3n	3m
Palagiano straight gently sloping land: shallow soil	3mn	3mn	3mn	3mn	3n	3mn
Taranto dune	3mn	3n	3n	3mn	3ne	3mn

Table 1 Suitability classification for Bronze Age agriculture in the Salento Isthmus (1 = suitable, 2 = marginally suitable, 3 = limited; m = moisture availability, n = nutrient availability, w = workability, r = rooting conditions, e = erosion hazard)

Salento Isthmus	Polyculture of cereals with olives	Polyculture of cereals with grapes	Permanent cultivation of favoured plots	Self-subsistence farming
Brindisi depression	2m	2m	2w	2n
Brindisi plain: deep soil	2m	3n	2w	1
Brindisi plain: shallow soil	3mn	3mn	3mn	3mn
Brindisi undulating land	3mn	3mn	3mn	3mn
Mottola canyon-like river valley: valley/terrace	2mw	2mw	2w	1
Mottola canyon-like river valley: wall	3mnw	3mnw	3n	3mne
Mottola hill: flat part	3n	2m	2w	2n
Mottola hill: slope	3mnw	3mnw	3mn	3mn
Mottola hill: top	3mn	3mn	3mnw	3mn
Mottola undulating gently sloping land: top/slope	3mn	3mn	3mn	3mn
Mottola undulating gently sloping land: deep soils	2m	3n	1	1
Mottola undulating gently sloping land: shallow soils	3m	3m	3m	3m
Murge canyon-like river valley	3mn	3mn	3mn	3mn
Murge concavely sloping land: up	3m	3mn	3m	3m
Murge depression	3mn	3mn	3mn	3mn
Murge hill: slope	3mnw	3mnw	3mn	3mne
Murge hill: top	3mn	3mn	3mn	3mn
Murge rolling land: top/slope	3mnw	3mnw	3mn	3mn
Murge rolling land valley	3m	3mn	3m	3m
Murge river valley	3mn	3mn	3m	3mn
Murge singular slope	3mnw	3mnw	3mn	3mn
Murge singular steep slope	3mnw	3mnw	3mnw	3mne
Palagiano river valley: terrace	3m	3mn	3m	3m
Palagiano river valley: valley	3m	3mn	3m	3m
Palagiano singular steep slope	3mnw	3mnw	3n	3mne
Palagiano straight gently sloping land: deep soil	3n	3n	2w	1
Palagiano straight gently sloping land: shallow soil	3mn	3mn	3mn	3mn
Taranto dune	3mn	3n	3n	3mn

Table 2 Suitability classification for Iron Age agriculture in the Salento Isthmus (1 = suitable, 2 = marginally suitable, 3 = limited, m = moisture availability, n = nutrient availability, w = workability, r = rooting conditions, e = erosion hazard)

Salento Isthmus	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Specialised olive cultivation	Self-subsistence farming
Brindisi depression	2m	3n	3n	2m	2m	1	1	2n
Brindisi plain: deep soil	2m	3n	3n	2mw	2m	3n	1	1
Brindisi plain: shallow soil	3n	3n	3mn	3mn	3mn	3mn	2mn	3mn
Brindisi undulating land	3n	3nw	3mnw	3mnw	3mn	3mn	2mn	3mn
Mottola canyon-like river valley: valley/terrace	2m	2mw	2w	2mw	2m	2w	1	1
Mottola canyon-like river valley: wall	3mn	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mne
Mottola hill: flat part	2m	2mw	2w	2mw	3n	1	2n	2n
Mottola hill: slope	3n	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mn
Mottola hill: top	3n	3n	3mnw	3mnw	3mn	3mn	2mn	3mn
Mottola undulating gently sloping land: top/slope	3n	3n	3mn	3mn	3mn	3mn	2mn	3mn
Mottola undulating gently sloping land: deep soils	1	3n	3n	2m	2m	3n	1	1
Mottola undulating gently sloping land: shallow soils	2m	3n	3mn	3m	3m	3m	2m	3m
Murge canyon-like river valley	3n	3n	3mn	3mn	3mn	3mn	2mn	3mn
Murge concavely sloping land: up	2m	3n	3mn	3m	2mw	3n	2m	3m
Murge depression	3n	3n	3mn	3mn	3n	3n	2mn	3mn
Murge hill: slope	3n	3nw	3mnw	3mnw	3nw	3nw	2mne	3mne
Murge hill: top	3n	3n	3mn	3mn	3mn	3mn	2mn	3mn
Murge rolling land: top/slope	3n	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mn
Murge rolling land valley	2m	3n	3mn	3m	2m	3n	2m	3m
Murge river valley	2m	2m	3mn	3m	3n	3n	2mn	3m
Murge singular slope	3n	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mn
Murge singular steep slope	3n	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mnwe
Palagiano river valley: terrace	2m	3n	3mn	3m	2m	3n	2m	3m
Palagiano river valley: valley	2m	3n	3mn	3m	2m	3n	2m	3m
Palagiano singular steep slope	3mn	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mne
Palagiano straight gently sloping land: deep soil	2m	2mw	3n	2mw	3n	3n	2n	1
Palagiano straight gently sloping land: shallow soil	3n	3n	3mn	3mn	3mn	3mn	2mn	3mn
Taranto dune	3n	3n	3mn	3n	3mn	3n	2mn	3mn

Table 3 Suitability classification for Archaic and Roman Age agriculture in the Salento Isthmus (1 = suitable, 2 = marginally suitable, 3 = limited, m = moisture availability, n = nutrient availability, w = workability, e = erosion hazard)

Agro Pontino	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self-subsistence farming
Borgo Grappa plain: aeolian	3n	2m	1	1
Borgo Grappa plain: lagoonal	3mw	3mw	3mw	3m
Borgo Grappa undulating land: beach ridge	3nw	3w	3w	1
Borgo Grappa undulating land: lagoon	3mnw	3mw	3mw	3m
Fogliano dune	3mn	3n	3n	3mn
Fogliano lagoon	3mn	3n	3n	3mn
Latina plain Amaseno phase 1: lagoonal	3mnw	3mnw	3mnw	3mn
Latina plain: Sezze alluvial fan	2w	2mnw	2nw	2n
Steep Lepini mountains	3mnw	3mnw	3mnw	3mne
Moderately steep Lepini mountains	3mn	3mn	3mn	3mn
Lepini river valley	3nw	3w	3w	1
Lepini undulating gently sloping land: alluvial fan	3nw	3w	3w	1
Lepini undulating gently sloping land: slope deposit	3mnw	3w	3w	3m

Table 4 Suitability classification for Bronze Age agriculture in the Agro Pontino (1 = suitable, 2 = marginally suitable, 3 = limited, m = moisture availability, n = nutrient availability, w = workability, e = erosion hazard)

Agro Pontino	Polyculture of cereals with olives	Polyculture of cereals with grapes	Permanent cultivation of favoured plots	Self-subsistence farming
Borgo Grappa plain: aeolian	2mw	2n	1	1
Borgo Grappa plain: lagoonal	3mn	3m	3m	3m
Borgo Grappa undulating land: beach ridge	2mw	3n	3w	1
Borgo Grappa undulating land: lagoon	3mn	3mn	3mw	3m
Fogliano dune	3mn	3n	3n	3mn
Fogliano lagoon	3mn	3n	3n	3mn
Latina plain Amaseno phase 1: lagoonal/marshy	3mn	3mn	3mn	3mn
Latina plain Amaseno phase 2: alluvial fan	3n	3n	2w	1
Latina plain: Sezze alluvial fan	3n	2m	2w	2n
Steep Lepini mountains	3mnw	3mnw	3n	3mne
Moderately steep Lepini mountains	3mnw	3mnw	3n	3mn
Lepini river valley	3n	3n	2w	1
Lepini undulating gently sloping land: alluvial fan	3n	3n	3w	1
Lepini undulating gently sloping land: slope deposit	2mw	2w	2mw	3m

Table 5 Suitability classification for Iron Age agriculture in the Agro Pontino (1 = suitable, 2 = marginally suitable, 3 = limited, m = moisture availability, n = nutrient availability, w = workability, e = erosion hazard)

Agro Pontino	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Specialised olive cultivation	Self-subsistence farming
Borgo Grappa plain: aeolian	2w	3n	3n	2mw	2mw	3n	1	1
Borgo Grappa plain: lagoonal	2m	2m	2/3m	2/3m	2n	2m	2mn	3m
Borgo Grappa undulating land: beach ridge	2m	2mw	3n	2mw	2mw	3n	1	1
Borgo Grappa undulating land: lagoon	2m	2m	3mn	3m	3n	3n	2mn	3m
Fogliano dune	3n	3n	3mn	3n	3mn	3n	2mn	3mn
Fogliano lagoon	3n	3n	3mn	3n	3mn	3n	2mn	3mn
Latina plain Amaseno phase 2 <sup>1</sup>	2m	2m	3n	2m	3n	3n	2n	1
Latina plain: Sezze alluvial fan	2m	2mw	2w	2mw	3n	1	2n	2n
Steep Lepini mountains	3n	3mw	3mnw	3mnw	3mnw	3mnw	2mne	3mn
Moderately steep Lepini mountains	3nw	3nw	3mnw	3mnw	3mnw	3mnw	2mne	3mn
Lepini river valley	2m	2mw	3n	2mw	3n	3n	2n	1
Lepini undulating gently sloping land: alluvial fan	3m	3m	3n	2mw	3n	3n	2n	1
Lepini undulating gently sloping land: slope deposit	2m	3n	3mn	2w	2mw	2w	2m	3m

Table 6 Suitability classification for Archaic and Roman Age agriculture in the Agro Pontino (1 = suitable, 2 = marginally suitable, 3 = limited, m = moisture availability, n = nutrient availability, w = workability, e = erosion hazard)

<sup>1</sup> The colluviation phase (phase 3) only started somewhere after 400 AD and is excluded from the evaluation. But, in case of future research, the evaluation results for Roman Age farming (assuming that these LUTs were in use continually) are shown below.

Agro Pontino	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Self-subsistence farming
Latina plain Amaseno phase 3	2m	2mw	2m	2w	2nw	2w	3m

Sibaritide	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self-subsistence farming	Olives	Grapes
Cerchia hilly land	3mn	3mn	3mnw	3mw	3ne	3mn
Lauropoli river valley floodplain	3mn	3m	3m	3mw	3m	3n
Lauropoli river valley terrace	3n	3n	3n	1	3n	3n
Lauropoli undulating sloping land	3n	3n	3n	1	3n	3n
Sybaris plain	3n	3n	3n	1	3n	3n

Table 7 Suitability classification for Bronze Age agriculture in the Sibaritide (1 = suitable, 3 = limited, m = moisture availability, n = nutrient availability, w = workability, r = rooting conditions, e = erosion hazard)

Sibaritide	Polyculture of cereals with olives	Polyculture of cereals with grapes	Permanent cultivation of favoured plots	Self-subsistence farming
Cerchia hilly land	3mnw	3mnw	3nw	3mw
Lauropoli river valley floodplain	3m	3mn	3m	3mw
Lauropoli river valley terrace	3n	3n	3n	1
Lauropoli undulating sloping land	3nw	3nw	3n	1
Sybaris plain	3n	3n	3n	1

Table 8 Suitability classification for Iron Age agriculture in the Sibaritide (1 = suitable, 3 = limited m = moisture availability, n = nutrient availability, w = workability)

Sibaritide	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Specialised olive cultivation	Self-subsistence farming
Cerchia hilly land	2mnw	2mnw	3mw	3mw	3mw	3mnw	2mne	3mw
Lauropoli river valley floodplain	2mw	2mnw	3n	2mw	2mw	3n	2m	3mw
Lauropoli river valley terrace	2mnw	2mnw	2n	2mnw	2mnw	2n	2n	1
Lauropoli undulating sloping land	2mnw	2mnw	2n	2mnw	2mnw	2n	2ne	1
Sybaris plain	2mnw	2mnw	2n	2mnw	2mnw	2n	2n	1

Table 9 Suitability classification for Archaic and Roman Age agriculture in the Sibaritide (1 = suitable, 2 = slightly limited, 3 = limited m = moisture availability, n = nutrient availability, w = workability)

## Appendix C-III

### Evaluation results: raw data from ALES

#### Salento

##### Bronze Age

Salento	Ccult	Ccult-other	Pcftp	Ssf	Olive	vine
Brindi-DP	3	3	3	3	3	2
Brindi-PL	3 & 1	3 & 2	3 & 1	3 & 1	2 & 1	3 & 1
Brindi-PL-dp	1	2	1	1	1	1
Brindi-PL-sh	3	3	3	3	2	3
Brindi-UL	3	3	3	3	2	3
Mot-CRV	1 & 3	2 & 3	1 & 3	1 & 3	1 & 2	1 & 3
Mot-CRV-v/t	1	2	1	1	1	1
Mot-CRV-w	3	3	3	3	2	3
Mot-HP	3 & 1	3 & 2	3 & 1	3 & 1	2 & 1	3 & 1
Mot-HP-fl	1	2	1	1	1	1
Mot-HP-s	3	3	3	3	2	3
Mot-HP-t	3	3	3	3	2	3
Mot-UgSL	1 & 3	2 & 3	1 & 3	1 & 3	3	1 & 3
Mot-UgSL-t/s	3	3	3	3	3	3
Mot-UgSL-v	1	2	1	1	3	1
Mot-UgSL-v2	3	3	3	3	2	3
Murge-CRV	3	3	3	3	3	3
Murge-CSL-up	3	3	3	3	3	2
Murge-DP	3	3	3	3	3	2
Murge-HP	3	3	3	3	2 & 3	3 & 2
Murge-HP-s	3	3	3	3	3	2
Murge-HP-t	3	3	3	3	2	3
Murge-RL	3	3	3	3	3	2 & 3
Murge-RL-t/s	3	3	3	3	3	3

Table I Suitability classification Bronze Age land utilisation types in the Salento region for LQ = **moisture availability** (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Ccult	Ccult-other	Pcfp	Ssf	olive	vine
Brindi-DP	3	2	2	2	1	1
Brindi-PL	3	3 & 1	3 & 1	3 & 1	3 & 1	3
Brindi-PL-dp	3	1	1	1	1	3
Brindi-PL-sh	3	3	3	3	3	3
Brindi-UL	3	3	3	3	3	3
Mot-CRV	3 & ?	3 & ?	3 & ?	3 & ?	3 & ?	3 & ?
Mot-CRV-v/t	?	?	?	?	?	?
Mot-CRV-w	3	3	3	3	3	3
Mot-HP	3 & 1	3 & 2	3 & 2	3 & 2	3	3 & 1
Mot-HP-fl	1	2	2	2	3	1
Mot-HP-s	3	3	3	3	3	3
Mot-HP-t	3	3	3	3	3	3
Mot-UgSL	3	1 & 3	1 & 3	1 & 3	1 & 3	3
Mot-UgSL-t/s	3	3	3	3	3	3
Mot-UgSL-v	3	1	1	1	1	3
Mot-UgSL-v2	3	2	2	2	1	1
Murge-CRV	3	3	3	3	3	3
Murge-CSL-up	3	1	1	1	1	3
Murge-DP	3	3	3	3	3	3
Murge-HP	3	3	3	3	3	3
Murge-HP-s	3	3	3	3	3	3
Murge-HP-t	3	3	3	3	3	3
Murge-RL	3	1 & 3	1 & 3	1 & 3	1 & 3	3
Murge-RL-t/s	3	3	3	3	3	3
Murge-RL-v	3	1	1	1	1	3
Murge-RV	3	1	1	1	3	3
Murge-SS	3	3	3	3	3	3
Murge-SSS	3	3	3	3	3	3
Pal-RV	3	1	1	1	1	3
Pal-RV-t	3	1	1	1	1	3
Pal-RV-v	3	1	1	1	1	3
Pal-SSS	3	3	3	3	3	3
Pal-SgSL	3	3 & 1	3 & 1	3 & 1	3	3
Pal-SgSL-dp	3	1	1	1	3	3
Pal-SgSL-sh	3	3	3	3	3	3
Taranto-DN	3	3	3	3	3	3

Table II Suitability classification Bronze Age land utilisation types in the Salento region for LQ = **nutrient availability** (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Ccult	Ccult-other	Pcfp	Ssf	olive	vine
Brindi-DP	3	3	3	1	n/a	n/a
Brindi-PL	2	2	2	1	n/a	n/a
Brindi-PL-dp	2	2	2	1	n/a	n/a
Brindi-PL-sh	2	2	2	1	n/a	n/a
Brindi-UL	2	2	2	1	n/a	n/a
Mot-CRV	2 & 3	2 & 3	2 & 3	1	n/a	n/a
Mot-CRV-v/t	2	2	2	1	n/a	n/a
Mot-CRV-w	3	3	3	1	n/a	n/a
Mot-HP	2 & 3	2 & 3	2 & 3	1	n/a	n/a
Mot-HP-fl	2	2	2	1	n/a	n/a
Mot-HP-s	2	2	2	1	n/a	n/a
Mot-HP-t	3	3	3	1	n/a	n/a
Mot-UgSL	1 & 2	1 & 2	1 & 2	1	n/a	n/a
Mot-UgSL-t/s	2	2	2	1	n/a	n/a
Mot-UgSL-v	1	1	1	1	n/a	n/a
Mot-UgSL-v2	1	1	1	1	n/a	n/a
Murge-CRV	2	2	2	1	n/a	n/a
Murge-CSL-up	2	2	2	1	n/a	n/a
Murge-DP	2	2	2	1	n/a	n/a
Murge-HP	2	2	2 & 3	1	n/a	n/a
Murge-HP-s	2	2	3	1	n/a	n/a
Murge-HP-t	2	2	2	1	n/a	n/a
Murge-RL	2	2	2	1	n/a	n/a
Murge-RL-t/s	2	2	2	1	n/a	n/a
Murge-RL-v	2	2	2	1	n/a	n/a
Murge-RV	2	2	2	1	n/a	n/a
Murge-SS	2	2	2	1	n/a	n/a
Murge-SSS	2	2	3	1	n/a	n/a
Pal-RV	2 & 1	2 & 1	2 & 1	1	n/a	n/a
Pal-RV-t	1	1	1	1	n/a	n/a
Pal-RV-v	2	2	2	1	n/a	n/a
Pal-SSS	3	3	3	1	n/a	n/a
Pal-SgSL	2	2	2	1	n/a	n/a
Pal-SgSL-dp	2	2	2	1	n/a	n/a
Pal-SgSL-sh	2	2	2	1	n/a	n/a
Taranto-DN	1	1	1	1	n/a	n/a

Table III Suitability classification Bronze Age land utilisation types in the Salento region for LQ =workability (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Ccult	Ccult-other	Pcfp	Ssf	olive	vine
Brindi-DP	n/a	n/a	n/a	n/a	n/a	3
Brindi-PL	n/a	n/a	n/a	n/a	n/a	2
Brindi-PL-dp	n/a	n/a	n/a	n/a	n/a	2
Brindi-PL-sh	n/a	n/a	n/a	n/a	n/a	2
Brindi-UL	n/a	n/a	n/a	n/a	n/a	2
Mot-CRV	n/a	n/a	n/a	n/a	n/a	2 & 3
Mot-CRV-v/t	n/a	n/a	n/a	n/a	n/a	2
Mot-CRV-w	n/a	n/a	n/a	n/a	n/a	3
Mot-HP	n/a	n/a	n/a	n/a	n/a	2
Mot-HP-fl	n/a	n/a	n/a	n/a	n/a	2
Mot-HP-s	n/a	n/a	n/a	n/a	n/a	2
Mot-HP-t	n/a	n/a	n/a	n/a	n/a	2
Mot-UgSL	n/a	n/a	n/a	n/a	n/a	1 & 2
Mot-UgSL-t/s	n/a	n/a	n/a	n/a	n/a	2
Mot-UgSL-v	n/a	n/a	n/a	n/a	n/a	1
Mot-UgSL-v2	n/a	n/a	n/a	n/a	n/a	2
Murge-CRV	n/a	n/a	n/a	n/a	n/a	2
Murge-CSL-up	n/a	n/a	n/a	n/a	n/a	2
Murge-DP	n/a	n/a	n/a	n/a	n/a	2
Murge-HP	n/a	n/a	n/a	n/a	n/a	2
Murge-HP-s	n/a	n/a	n/a	n/a	n/a	2
Murge-HP-t	n/a	n/a	n/a	n/a	n/a	2
Murge-RL	n/a	n/a	n/a	n/a	n/a	2
Murge-RL-t/s	n/a	n/a	n/a	n/a	n/a	2
Murge-RL-v	n/a	n/a	n/a	n/a	n/a	2
Murge-RV	n/a	n/a	n/a	n/a	n/a	2
Murge-SS	n/a	n/a	n/a	n/a	n/a	2
Murge-SSS	n/a	n/a	n/a	n/a	n/a	2
Pal-RV	n/a	n/a	n/a	n/a	n/a	2
Pal-RV-t	n/a	n/a	n/a	n/a	n/a	2
Pal-RV-v	n/a	n/a	n/a	n/a	n/a	2
Pal-SSS	n/a	n/a	n/a	n/a	n/a	3
Pal-SgSL	n/a	n/a	n/a	n/a	n/a	2
Pal-SgSL-dp	n/a	n/a	n/a	n/a	n/a	2
Pal-SgSL-sh	n/a	n/a	n/a	n/a	n/a	2
Taranto-DN	n/a	n/a	n/a	n/a	n/a	1

Table IV Suitability classification Bronze Age land utilisation types in the Salento region for LQ =rooting conditions (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
Brindi-DP	n/a	n/a	n/a	1	1	n/a
Brindi-PL	n/a	n/a	n/a	1	1	n/a
Brindi-PL-dp	n/a	n/a	n/a	1	1	n/a
Brindi-PL-sh	n/a	n/a	n/a	1	1	n/a
Brindi-UL	n/a	n/a	n/a	1	1	n/a
Mot-CRV	n/a	n/a	n/a	1 & 3	1 & 3	n/a
Mot-CRV-v/t	n/a	n/a	n/a	1	1	n/a
Mot-CRV-w	n/a	n/a	n/a	3	3	n/a
Mot-HP	n/a	n/a	n/a	1 & 2	1 & 2	n/a
Mot-HP-fl	n/a	n/a	n/a	1	1	n/a
Mot-HP-s	n/a	n/a	n/a	2	2	n/a
Mot-HP-t	n/a	n/a	n/a	1	1	n/a
Mot-UgSL	n/a	n/a	n/a	1	1	n/a
Mot-UgSL-t/s	n/a	n/a	n/a	1	1	n/a
Mot-UgSL-v	n/a	n/a	n/a	1	1	n/a
Mot-UgSL-v2	n/a	n/a	n/a	1	1	n/a
Murge-CRV	n/a	n/a	n/a	1	1	n/a
Murge-CSL-up	n/a	n/a	n/a	1	1	n/a
Murge-DP	n/a	n/a	n/a	1	1	n/a
Murge-HP	n/a	n/a	n/a	1 & 3	1 & 3	n/a
Murge-HP-s	n/a	n/a	n/a	3	3	n/a
Murge-HP-t	n/a	n/a	n/a	1	1	n/a
Murge-RL	n/a	n/a	n/a	1 & 2	1 & 2	n/a
Murge-RL-t/s	n/a	n/a	n/a	2	2	n/a
Murge-RL-v	n/a	n/a	n/a	1	1	n/a
Murge-RV	n/a	n/a	n/a	1	1	n/a
Murge-SS	n/a	n/a	n/a	2	2	n/a
Murge-SSS	n/a	n/a	n/a	3	3	n/a
Pal-RV	n/a	n/a	n/a	1	1	n/a
Pal-RV-t	n/a	n/a	n/a	1	1	n/a
Pal-RV-v	n/a	n/a	n/a	1	1	n/a
Pal-SSS	n/a	n/a	n/a	3	3	n/a
Pal-SgSL	n/a	n/a	n/a	1	1	n/a
Pal-SgSL-dp	n/a	n/a	n/a	1	1	n/a
Pal-SgSL-sh	n/a	n/a	n/a	1	1	n/a
Taranto-DN	n/a	n/a	n/a	1	1	n/a

Table V Suitability classification Bronze Age land utilisation types in the Salento region for LQ = erosion hazard (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Ccult	Ccult-other	Pcftp	Ssf	Olive	vine
<b>Brindi-DP</b>	1,3,3,n/a,n/a	2,2,3,n/a,n/a	1,2,3,n/a,n/a	1,2,1,n/a,1	2,1,n/a,n/a,1	1,1,n/a,3,n/a
<b>Brindi-PL-dp</b>	1,3,2,n/a,n/a	2,1,2,n/a,n/a	1,1,2,n/a,n/a	1,1,1,n/a,1	1,1,n/a,n/a,1	1,3,n/a,2,n/a
<b>Brindi-Pl-sh</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	2,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Brindi-UL</b>	3,3,2,n/a, n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	2,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Mot-CRV-v/t</b>	1,?,2, n/a,n/a	2,?,2,n/a,n/a	1,?,2,n/a,n/a	1,?,1,n/a,1	1,?,n/a,n/a,1	1,?,n/a,2,n/a
<b>Mot-CRV-w</b>	3,3,3,n/a, n/a	3,3,3,n/a,n/a	3,3,3,n/a,n/a	3,3,1,n/a,3	2,3,n/a,n/a,3	3,3,n/a,3,n/a
<b>Mot-HP-fl</b>	1,1,2,n/a,n/a	2,2,2,n/a,n/a	1,2,2,n/a,n/a	1,2,1,n/a,1	1,3,n/a,n/a,1	1,1,n/a,2,n/a
<b>Mot-HP-s</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,2	2,3,n/a,n/a,2	3,3,n/a,2,n/a
<b>Mot-HP-t</b>	3,3,3,n/a,n/a	3,3,3,n/a,n/a	3,3,3,n/a,n/a	3,3,1,n/a,1	2,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Mot-UgSL-t/s</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	3,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Mot-UgSL-v</b>	1,3,1,n/a,n/a	2,1,1,n/a,n/a	1,1,1,n/a,n/a	1,1,1,n/a,1	3,1,n/a,n/a,1	1,3,n/a,1,n/a
<b>Mot-UgSL-v2</b>	3,3,1,n/a,n/a	3,2,1,n/a,n/a	3,2,1,n/a,n/a	3,2,1,n/a,1	2,1,n/a,n/a,1	3,1,n/a,2,n/a
<b>Murge-CRV</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	3,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Murge-CSL-up</b>	3,3,2,n/a,n/a	3,1,2,n/a	3,1,2,n/a,n/a	3,1,1,n/a,1	3,1,n/a,n/a,1	2,3,n/a,2,n/a
<b>Murge-DP</b>	3,3,2,n/a,n/a	3,3,2,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	3,3,n/a,n/a,1	2,3,n/a,2,n/a
<b>Murge-HP-s</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,3,n/a,n/a	3,3,1,n/a,3	3,3,n/a,n/a,3	2,3,n/a,2,n/a
<b>Murge-HP-t</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	2,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Murge-RL-t/s</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,2	3,3,n/a,n/a,2	3,3,n/a,2,n/a
<b>Murge-RL-v</b>	3,3,2,n/a,n/a	3,1,2,n/a,n/a	3,1,2,n/a,n/a	3,1,1,n/a,1	3,1,n/a,n/a,1	2,3,n/a,2,n/a
<b>Murge-RV</b>	3,3,2,n/a,n/a	3,1,2,n/a,n/a	3,1,2,n/a,n/a	3,1,1,n/a,1	3,3,n/a,n/a,1	2,3,n/a,2,n/a
<b>Murge-SS</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,2	2,3,n/a,n/a,2	3,3,n/a,2,n/a
<b>Murge-SSS</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,3,n/a,n/a	3,3,1,n/a,3	3,3,n/a,n/a,3	3,3,n/a,2,n/a
<b>Pal-RV-t</b>	3,3,1,n/a,n/a	3,1,1,n/a,n/a	3,1,1,n/a,n/a	3,1,1,n/a,1	3,1,n/a,n/a,1	2,3,n/a,2,n/a
<b>Pal-RV-v</b>	3,3,2,n/a,n/a	3,1,2,n/a,n/a	3,1,2,n/a,n/a	3,1,1,n/a,1	3,1,n/a,n/a,1	2,3,n/a,2,n/a
<b>Pal-SSS</b>	3,3,3,n/a	3,3,3,n/a,n/a	3,3,3,n/a,n/a	3,3,1,n/a,3	2,3,n/a,n/a,3	3,3,n/a,3,n/a
<b>Pal-SgSL-dp</b>	1,3,2,n/a,n/a	2,1,2,n/a,n/a	1,1,2,n/a,n/a	1,1,1,n/a,1	2,3,n/a,n/a,1	1,3,n/a,2,n/a
<b>Pal-SgSL-sh</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,1,n/a,1	2,3,n/a,n/a,1	3,3,n/a,2,n/a
<b>Taranto-DN</b>	3,3,1,n/a,n/a	1,3,1,n/a,n/a	2,3,1,n/a,n/a	3,3,1,n/a,1	2,3,n/a,n/a,3	3,3,n/a,1,n/a

*First number: moisture availability*  
*Second number: nutrient availability*  
*Third number: workability*  
*Forth number: rooting conditions*  
*Fifth number: erosion hazard*

*Iron Age*

Salento	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Brindi-DP	3	3	3	3
Brindi-PL	3 & 2	3 & 2	3 & 1	3 & 1
Brindi-PL-dp	2	2	1	1
Brindi-Pl-sh	3	3	3	3
Brindi-UL	3	3	3	3
Mot-CRV	2 & 3	2 & 3	1 & 2	1 & 3
Mot-CRV-v/t	2	2	1	1
Mot-CRV-w	3	3	2	3
Mot-HP	3 & 2	3 & 2	3 & 1	3 & 1
Mot-HP-fl	2	2	1	1
Mot-HP-s	3	3	3	3
Mot-HP-t	3	3	3	3
Mot-UgSL	2 & 3	2 & 3	1 & 3	1 & 3
Mot-UgSL-t/s	3	3	3	3
Mot-UgSL-v	2	2	1	1
Mot-UgSL-v2	3	3	3	3
Murge-CRV	3	3	3	3
Murge-CSL-up	3	3	3	3
Murge-DP	3	3	3	3
Murge-HP	3	3	3	3
Murge-HP-s	3	3	3	3
Murge-HP-t	3	3	3	3
Murge-RL	3	3	3	3
Murge-RL-t/s	3	3	3	3
Murge-RL-v	3	3	3	3
Murge-RV	3	3	3	3
Murge-SS	3	3	3	3
Murge-SSS	3	3	3	3
Pal-RV	3	3	3	3
Pal-RV-t	3	3	3	3
Pal-RV-v	3	3	3	3
Pal-SSS	3	3	2	3
Pal-SgSL	3 & 2	3 & 2	3 & 1	3 & 1
Pal-SgSL-dp	2	2	1	1
Pal-SgSL-sh	3	3	3	3
Taranto-DN	3	1	2	3

Table VI Suitability classification Iron Age land utilisation types in the Salento region for LQ =moisture availability (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Brindi-DP	1	1	1	2
Brindi-PL	3 & 1		3 & 1	3 & 1
Brindi-PL-dp	1	3	1	1
Brindi-PL-sh	3	3	3	3
Brindi-UL	3	3	3	3
Mot-CRV	3 & ?	3 & ?	3 & ?	3 & ?
Mot-CRV-v/t	?	?	?	?
Mot-CRV-w	3	3	3	3
Mot-HP	3	3 & 1	3 & 1	3 & 2
Mot-HP-fl	3	1	1	2
Mot-HP-s	3	3	3	3
Mot-HP-t	3	3	3	3
Mot-UgSL	1 & 3		1 & 3	1 & 3
Mot-UgSL-t/s	3	3	3	3
Mot-UgSL-v	1	3	1	1
Mot-UgSL-v2	1	1	1	2
Murge-CRV	3	3	3	3
Murge-CSL-up	1	3	1	1
Murge-DP	3	3	3	3
Murge-HP	3	3	3	3
Murge-HP-s	3	3	3	3
Murge-HP-t	3	3	3	3
Murge-RL	1 & 3		1 & 3	1 & 3
Murge-RL-t/s	3	3	3	3
Murge-RL-v	1	3	1	1
Murge-RV	3	3	1	1
Murge-SS	3	3	3	3
Murge-SSS	3	3	3	3
Pal-RV	1	3	1	1
Pal-RV-t	1	3	1	1
Pal-RV-v	1	3	1	1
Pal-SSS	3	3	3	3
Pal-SgSL	3	3	3 & 1	3 & 1
Pal-SgSL-dp	3	3	1	1
Pal-SgSL-sh	3	3	3	3
Taranto-DN	3	3	3	3

Table VII Suitability classification Ion Age land utilisation types in the Salento region for LQ = **nutrient availability** (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Brindi-DP	1	1	2	1
Brindi-PL	1	1	2	1
Brindi-PL-dp	1	1	2	1
Brindi-PL-sh	1	1	2	1
Brindi-UL	1	1	2	1
Mot-CRV	2 & 3	2 & 3	2 & 3	1
Mot-CRV-v/t	2	2	2	1
Mot-CRV-w	3	3	3	1
Mot-HP	1 & 3	1 & 3	2 & 3	1
Mot-HP-fl	1	1	2	1
Mot-HP-s	3	3	2	1
Mot-HP-t	1	1	3	1
Mot-UgSL	1 & 2	1 & 2	1 & 2	1
Mot-UgSL-t/s	2	2	2	1
Mot-UgSL-v	1	1	1	1
Mot-UgSL-v2	1	1	1	1
Murge-CRV	1	1	2	1
Murge-CSL-up	2	2	2	1
Murge-DP	1	1	2	1
Murge-HP	1 & 3	1 & 3	2	1
Murge-HP-s	3	3	2	1
Murge-HP-t	1	1	2	1
Murge-RL	1 & 3	1 & 3	2	1
Murge-RL-t/s	3	3	2	1
Murge-RL-v	1	1	2	1
Murge-RV	1	1	2	1
Murge-SS	3	3	2	1
Murge-SSS	3	3	3	1
Pal-RV	1	1	2 & 1	1
Pal-RV-t	1	1	1	1
Pal-RV-v	1	1	2	1
Pal-SSS	3	3	2	1
Pal-SgSL	2	2	2	1
Pal-SgSL-dp	2	2	2	1
Pal-SgSL-sh	2	2	2	1
Taranto-DN	2	2	1	1

Table VIII Suitability classification Ion Age land utilisation types in the Salento region for LQ =workability  
(1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Brindi-DP	n/a	n/a	n/a	n/a
Brindi-PL	n/a	n/a	n/a	n/a
Brindi-PL-dp	n/a	n/a	n/a	n/a
Brindi-PL-sh	n/a	n/a	n/a	n/a
Brindi-UL	n/a	n/a	n/a	n/a
Mot-CRV	n/a	n/a	n/a	n/a
Mot-CRV-v/t	n/a	n/a	n/a	n/a
Mot-CRV-w	n/a	n/a	n/a	n/a
Mot-HP	n/a	n/a	n/a	n/a
Mot-HP-fl	n/a	n/a	n/a	n/a
Mot-HP-s	n/a	n/a	n/a	n/a
Mot-HP-t	n/a	n/a	n/a	n/a
Mot-UgSL	n/a	n/a	n/a	n/a
Mot-UgSL-t/s	n/a	n/a	n/a	n/a
Mot-UgSL-v	n/a	n/a	n/a	n/a
Mot-UgSL-v2	n/a	n/a	n/a	n/a
Murge-CRV	n/a	n/a	n/a	n/a
Murge-CSL-up	n/a	n/a	n/a	n/a
Murge-DP	n/a	n/a	n/a	n/a
Murge-HP	n/a	n/a	n/a	n/a
Murge-HP-s	n/a	n/a	n/a	n/a
Murge-HP-t	n/a	n/a	n/a	n/a
Murge-RL	n/a	n/a	n/a	n/a
Murge-RL-t/s	n/a	n/a	n/a	n/a
Murge-RL-v	n/a	n/a	n/a	n/a
Murge-RV	n/a	n/a	n/a	n/a
Murge-SS	n/a	n/a	n/a	n/a
Murge-SSS	n/a	n/a	n/a	n/a
Pal-RV	n/a	n/a	n/a	n/a
Pal-RV-t	n/a	n/a	n/a	n/a
Pal-RV-v	n/a	n/a	n/a	n/a
Pal-SSS	n/a	n/a	n/a	n/a
Pal-SgSL	n/a	n/a	n/a	n/a
Pal-SgSL-dp	n/a	n/a	n/a	n/a
Pal-SgSL-sh	n/a	n/a	n/a	n/a
Taranto-DN	n/a	n/a	n/a	n/a

Table IX Suitability classification Ion Age land utilisation types in the Salento region for LQ = rooting conditions (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Brindi-DP	n/a	n/a	n/a	1
Brindi-PL	n/a	n/a	n/a	1
Brindi-PL-dp	n/a	n/a	n/a	1
Brindi-PL-sh	n/a	n/a	n/a	1
Brindi-UL	n/a	n/a	n/a	1
Mot-CRV	n/a	n/a	n/a	1 & 3
Mot-CRV-v/t	n/a	n/a	n/a	1
Mot-CRV-w	n/a	n/a	n/a	3
Mot-HP	n/a	n/a	n/a	1 & 2
Mot-HP-fl	n/a	n/a	n/a	1
Mot-HP-s	n/a	n/a	n/a	2
Mot-HP-t	n/a	n/a	n/a	1
Mot-UgSL	n/a	n/a	n/a	1
Mot-UgSL-t/s	n/a	n/a	n/a	1
Mot-UgSL-v	n/a	n/a	n/a	1
Mot-UgSL-v2	n/a	n/a	n/a	1
Murge-CRV	n/a	n/a	n/a	1
Murge-CSL-up	n/a	n/a	n/a	1
Murge-DP	n/a	n/a	n/a	1
Murge-HP	n/a	n/a	n/a	1 & 3
Murge-HP-s	n/a	n/a	n/a	3
Murge-HP-t	n/a	n/a	n/a	1
Murge-RL	n/a	n/a	n/a	1 & 2
Murge-RL-t/s	n/a	n/a	n/a	2
Murge-RL-v	n/a	n/a	n/a	1
Murge-RV	n/a	n/a	n/a	1
Murge-SS	n/a	n/a	n/a	2
Murge-SSS	n/a	n/a	n/a	3
Pal-RV	n/a	n/a	n/a	1
Pal-RV-t	n/a	n/a	n/a	1
Pal-RV-v	n/a	n/a	n/a	1
Pal-SSS	n/a	n/a	n/a	3
Pal-SgSL	n/a	n/a	n/a	1
Pal-SgSL-dp	n/a	n/a	n/a	1
Pal-SgSL-sh	n/a	n/a	n/a	1
Taranto-DN	n/a	n/a	n/a	1

Table X Suitability classification Ion Age land utilisation types in the Salento region for LQ = *erosion hazard* (1 = no problem, 2 = slightly limited, 3 = limited)

Salento	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
<b>Brindi-DP</b>	2,1,1,n/a	2,1,1,n/a	1,1,2,n/a	1,2,1,1
<b>Brindi-PL-dp</b>	2,1,1,n/a	2,3,1,n/a	1,1,2,n/a	1,1,1,1
<b>Brindi-Pl-sh</b>	3,3,1,n/a	3,3,1,n/a	3,3,2,n/a	3,3,1,1
<b>Brindi-UL</b>	3,3,1,n/a	3,3,1,n/a	3,3,2,n/a	3,3,1,1
<b>Mot-CRV-v/t</b>	2,?,2,n/a	2,?,2,n/a	1,?,2,n/a	1,?,1,1
<b>Mot-CRV-w</b>	3,3,3,n/a	3,3,3,n/a	2,3,3,n/a	3,3,1,3
<b>Mot-HP-fl</b>	2,3,1,n/a	2,1,1,n/a	1,1,2,n/a	1,2,1,1
<b>Mot-HP-s</b>	3,3,3,n/a	3,3,3,n/a	3,3,2,n/a	3,3,1,2
<b>Mot-HP-t</b>	3,3,1,n/a	3,3,1,n/a	3,3,3,n/a	3,3,1,1
<b>Mot-UgSL-t/s</b>	3,3,2,n/a	3,3,2,n/a	3,3,2,n/a	3,3,1,1
<b>Mot-UgSL-v</b>	2,1,1,n/a	2,3,1,n/a	1,1,1,n/a	1,1,1,1
<b>Mot-UgSL-v2</b>	3,1,1,n/a	3,1,1,n/a	3,1,1,n/a	3,2,1,1
<b>Murge-CRV</b>	3,3,1,n/a	3,3,1,n/a	3,3,2,n/a	3,3,1,1
<b>Murge-CSL-up</b>	3,1,2,n/a	3,3,2,n/a	3,1,2,n/a	3,1,1,1
<b>Murge-DP</b>	3,3,1,n/a	3,3,1,n/a	3,3,2,n/a	3,3,1,1
<b>Murge-HP-s</b>	3,3,3,n/a	3,3,3,n/a	3,3,2,n/a	3,3,1,3
<b>Murge-HP-t</b>	3,3,1,n/a	3,3,1,n/a	3,3,2,n/a	3,3,1,1
<b>Murge-RL-t/s</b>	3,3,3,n/a	3,3,3,n/a	3,3,2,n/a	3,3,1,2
<b>Murge-RL-v</b>	3,1,1,n/a	3,3,1,n/a	3,1,2,n/a	3,1,1,1
<b>Murge-RV</b>	3,3,1,n/a	3,3,1,n/a	3,1,2,n/a	3,3,1,1
<b>Murge-SS</b>	3,3,3,n/a	3,3,3,n/a	3,3,2,n/a	3,3,1,2
<b>Murge-SSS</b>	3,3,3,n/a	3,3,3,n/a	3,3,3,n/a	3,3,1,3
<b>Pal-RV-t</b>	3,1,1,n/a	3,3,1,n/a	3,1,1,n/a	3,1,1,1
<b>Pal-RV-v</b>	3,1,1,n/a	3,3,1,n/a	3,1,2,n/a	3,1,1,1
<b>Pal-SSS</b>	3,3,3,n/a	3,3,3,n/a	2,3,2,n/a	3,3,1,3
<b>Pal-SgSL-dp</b>	2,3,2,n/a	2,3,2,n/a	1,1,2,n/a	1,1,1,1
<b>Pal-SgSL-sh</b>	3,3,2,n/a	3,3,2,n/a	3,3,2,n/a	3,3,1,1
<b>Taranto-DN</b>	3,3,2,n/a	1,3,2,n/a	2,3,2,n/a	3,3,1,1

*First number: moisture availability*  
*Second number: nutrient availability*  
*Third number: workability*  
*Fourth number: erosion hazard*

*Archaic and Roman Age*

Brind.	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Brindi-DP	2	2	1	2	2	1	1
Brindi-PL-dp	2	2	1	2	2	1	1
Brindi-Pl-sh	2	2	3	3	3	3	3
Brindi-UL	2	2	3	3	3	3	3
Mot-CRV-v/t	2	2	1	2	2	1	1
Mot-CRV-w	3	2	3	3	3	3	3
Mot-HP-fl	2	2	1	2	2	1	1
Mot-HP-s	2	2	3	3	3	3	3
Mot-HP-t	2	2	3	3	3	3	3
Mot-UgSL-t/s	2	2	3	3	3	3	3
Mot-UgSL-v	1	1	1	2	2	1	1
Mot-UgSL-v2	2	2	3	3	3	3	3
Murge-CRV	2	2	3	3	3	3	3
Murge-CSL-up	2	2	3	3	2	2	3
Murge-DP	2	2	3	3	2	2	3
Murge-HP-s	2	2	3	3	2	2	3
Murge-HP-t	2	2	3	3	3	3	3
Murge-RL-t/s	2	2	3	3	3	3	3
Murge-RL-v	2	2	3	3	2	2	3
Murge-RV	2	2	3	3	2	2	3
Murge-SS	2	2	3	3	3	3	3
Murge-SSS	2	2	3	3	3	3	3
Pal-RV	2	2	3	3	2	2	3
Pal-RV-t	2	2	3	3	2	2	3
Pal-RV-v	2	2	3	3	2	2	3
Pal-SSS	3	2	3	3	3	3	3
Pal-SgSL-dp	2	2	1	2	2	1	1
Pal-SgSL-sh	2	2	3	3	3	3	3
Taranto-DN	1	2	3	1	3	1	3
RA moisture availability							



Brind.	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Brindi-DP	1	1	1	1	1	1	1
Brindi-PL	1	2	2	2	1	1	1
Brindi-PL-dp	1	2	2	2	1	1	1
Brindi-PL-sh	1	2	2	2	1	1	1
Brindi-UL	1	3	3	3	1	1	1
Mot-CRV	1	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	1
Mot-CRV-v/t	1	2	2	2	2	2	1
Mot-CRV-w	1	3	3	3	3	3	1
Mot-HP	1	1 & 2 & 3	3 & 2	3 & 2	1 & 3	1 & 3	1
Mot-HP-fl	1	2	2	2	1	1	1
Mot-HP-s	1	3	3	3	3	3	1
Mot-HP-t	1	1	3	3	1	1	1
Mot-UgSL	1	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1
Mot-UgSL-t/s	1	2	2	2	2	2	1
Mot-UgSL-v	1	1	1	1	1	1	1
Mot-UgSL-v2	1	1	1	1	1	1	1
Murge-CRV	1	2	2	2	1	1	1
Murge-CSL-up	1	2	2	2	2	2	1
Murge-DP	1	1	1	1	1	1	1
Murge-HP	1	2 & 3	2 & 3	2 & 3	1 & 3	1 & 3	1
Murge-HP-s	1	3	3	3	3	3	1
Murge-HP-t	1	2	2	2	1	1	1
Murge-RL	1	1 & 3	1 & 3	1 & 3	1 & 3	1 & 3	1
Murge-RL-t/s	1	3	3	3	3	3	1
Murge-RL-v	1	1	1	1	1	1	1
Murge-RV	1	1	1	1	1	1	1
Murge-SS	1	3	3	3	3	3	1
Murge-SSS	1	3	3	3	3	3	1
Pal-RV	1	1	1	1	1	1	1
Pal-RV-t	1	1	1	1	1	1	1
Pal-RV-v	1	1	1	1	1	1	1
Pal-SSS	1	3	3	3	3	3	1
Pal-SgSL	1	2	2	2	2	2	1
Pal-SgSL-dp	1	2	2	2	2	2	1
Pal-SgSL-sh	1	2	2	2	2	2	1
Taranto-DN	2	2	2	2	2	2	1
RA work							

Brind.	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Brindi-DP	n/a	n/a	n/a	n/a	n/a	n/a	1
Brindi-PL	n/a	n/a	n/a	n/a	n/a	n/a	1
Brindi-PL-dp	n/a	n/a	n/a	n/a	n/a	n/a	1
Brindi-PL-sh	n/a	n/a	n/a	n/a	n/a	n/a	1
Brindi-UL	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-CRV	n/a	n/a	n/a	n/a	n/a	n/a	1 & 3
Mot-CRV-v/t	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-CRV-w	n/a	n/a	n/a	n/a	n/a	n/a	3
Mot-HP	n/a	n/a	n/a	n/a	n/a	n/a	1 & 2
Mot-HP-fl	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-HP-s	n/a	n/a	n/a	n/a	n/a	n/a	2
Mot-HP-t	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-UgSL	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-UgSL-t/s	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-UgSL-v	n/a	n/a	n/a	n/a	n/a	n/a	1
Mot-UgSL-v2	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-CRV	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-CSL-up	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-DP	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-HP	n/a	n/a	n/a	n/a	n/a	n/a	1 & 3
Murge-HP-s	n/a	n/a	n/a	n/a	n/a	n/a	3
Murge-HP-t	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-RL	n/a	n/a	n/a	n/a	n/a	n/a	1 & 2
Murge-RL-t/s	n/a	n/a	n/a	n/a	n/a	n/a	2
Murge-RL-v	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-RV	n/a	n/a	n/a	n/a	n/a	n/a	1
Murge-SS	n/a	n/a	n/a	n/a	n/a	n/a	2
Murge-SSS	n/a	n/a	n/a	n/a	n/a	n/a	3
Pal-RV	n/a	n/a	n/a	n/a	n/a	n/a	1
Pal-RV-t	n/a	n/a	n/a	n/a	n/a	n/a	1
Pal-RV-v	n/a	n/a	n/a	n/a	n/a	n/a	1
Pal-SSS	n/a	n/a	n/a	n/a	n/a	n/a	3
Pal-SgSL	n/a	n/a	n/a	n/a	n/a	n/a	1
Pal-SgSL-dp	n/a	n/a	n/a	n/a	n/a	n/a	1
Pal-SgSL-sh	n/a	n/a	n/a	n/a	n/a	n/a	1
Taranto-DN	n/a	n/a	n/a	n/a	n/a	n/a	1
RA-erosion							

*Archaic and Roman Age farming*

Brind.	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	RA-spec. olive cult.	Ssf
Brindi-DP	211n/a	231n/a	131n/a	211n/a	211n/a	111n/a	11n/a1	1211
Brindi-PL-dp	211n/a	232n/a	132n/a	212n/a	211n/a	131n/a	11n/a1	1111
Brindi-PI-sh	231n/a	232n/a	332n/a	332n/a	331n/a	331n/a	22n/a1	3311
Brindi-UL	231n/a	233n/a	333n/a	333n/a	331n/a	331n/a	22n/a1	3311
Mot-CRV-v/t	2?1n/a	2?2n/a	1?2n/a	2?2n/a	2?2n/a	1?2n/a	1?n/a1	1?11
Mot-CRV-w	331n/a	233n/a	333n/a	333n/a	333n/a	333n/a	22n/a 2	3313
Mot-HP-fl	211n/a	212n/a	112n/a	212n/a	231n/a	111n/a	12n/a 1	1211
Mot-HP-s	231n/a	233n/a	333n/a	333n/a	333n/a	333n/a	22 n/a 2	3312
Mot-HP-t	231n/a	231n/a	333n/a	333n/a	331n/a	331n/a	22 n/a 1	3311
Mot-UgSL-t/s	231n/a	232n/a	332n/a	332n/a	332n/a	332n/a	22 n/a 1	3311
Mot-UgSL-v	111n/a	131n/a	131n/a	211n/a	211n/a	131n/a	11 n/a 1	1111
Mot-UgSL-v2	211n/a	231n/a	331n/a	311n/a	311n/a	311n/a	21 n/a 1	3211
Murge-CRV	231n/a	232n/a	332n/a	332n/a	331n/a	331n/a	22 n/a 1	3311
Murge-CSL-up	211n/a	232n/a	332n/a	312n/a	212n/a	232n/a	21 n/a 1	3121
Murge-DP	231n/a	231n/a	331n/a	331n/a	231n/a	231n/a	22 n/a 1	3311
Murge-HP-s	231n/a	233n/a	333n/a	333n/a	233n/a	233n/a	22 n/a 2	3313
Murge-HP-t	231n/a	232n/a	332n/a	332n/a	331n/a	331n/a	22 n/a 1	3311
Murge-RL-t/s	231n/a	233n/a	333n/a	333n/a	333n/a	333n/a	22 n/a 2	3312
Murge-RL-v	211n/a	231n/a	331n/a	311n/a	211n/a	231n/a	21 n/a 1	3111
Murge-RV	211n/a	211n/a	331n/a	311n/a	231n/a	231n/a	22 n/a 1	3111
Murge-SS	231n/a	233n/a	333n/a	333n/a	333n/a	333n/a	22 n/a 2	3312
Murge-SSS	231n/a	233n/a	333n/a	333n/a	333n/a	333n/a	22 n/a 2	3333
Pal-RV-t	211n/a	231n/a	331n/a	311n/a	211n/a	231n/a	21 n/a 1	3111
Pal-RV-v	211n/a	231n/a	331n/a	311n/a	211n/a	231n/a	21 n/a 1	3111
Pal-SSS	331n/a	233n/a	333n/a	333n/a	333n/a	333n/a	22 n/a 2	3313
Pal-SgSL-dp	211n/a	212n/a	132n/a	212n/a	232n/a	132n/a	12 n/a 1	1111
Pal-SgSL-sh	231n/a	232n/a	332n/a	332n/a	332n/a	332n/a	22 n/a 1	3311
Taranto-DN	132n/a	232n/a	332n/a	132n/a	332n/a	132n/a	22 n/a 1	3311

1 = moisture availability,  
2 = nutrients availability,  
3 = workability,  
4 = erosion hazard

**Agro Pontino***Bronze Age*

Agro Pontino	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self subsistence farming
BGrap-Pl-aco	1	2	1	1
BGrap-Pl-cly	3	3	3	3
BGrap-UL-br	1	2	1	1
BGrap-UL-lg	3	3	3	3
Fogl-DN	3	1	2	3
Fogl-coast	3	1	2	3
Lat-PL-Am 2	1	2	1	1
Lat-PL-Am 3	3	1	2	3
Lat-Pl-Alluv	1	2	1	1
Lat-Pl-Am 1	3	3	3	3
Lepi-Mt-Stee	3	3	3	3
Lepi-Mt-mod	3	3	3	3
Lepi-RV	1	2	1	1
Lepi-UgSL-al	1	2	1	1
Lepi-UgSL-sl	3	1	2	3
BA moisture availability				

Agro Pontino	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	3 & 1	1 & 2	1 & 2	1 & 2
BGrap-Pl-aco	3	1	1	1
BGrap-Pl-cly	1	2	2	2
BGrap-UL-br	3	1	1	1
BGrap-UL-lg	3	1	1	1
Fogl-DN	3	3	3	3
Fogl-coast	3	3	3	3
Lat-PL-Am 2	3	1	1	1
Lat-PL-Am 3	1	2	2	2
Lat-Pl-Alluv	1	2	2	2
Lat-Pl-Am 1	3	3	3	3
Lepi-Mt-Stee	3	3	3	3
Lepi-Mt-mod	3	3	3	3
Lepi-RV	3	1	1	1
Lepi-UgSL-al	3	1	1	1
Lepi-UgSL-sl	3	2	2	2
BA nutrients availability				

Agro Pontino	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	3 & 1	3 & 1	3 & 1	1
BGrap-Pl-aeo	1	1	1	1
BGrap-Pl-cly	3	3	3	1
BGrap-UL-br	3	3	3	1
BGrap-UL-lg	3	3	3	1
Fogl-DN	1	1	1	1
Fogl-coast	1	1	1	1
Lat-PL-Am 2	2	2	2	1
Lat-PL-Am 3	2	2	2	1
Lat-Pl-Alluv	2	2	2	1
Lat-Pl-Am 1	3	3	3	1
Lepi-Mt-Stee	3	3	3	1
Lepi-Mt-mod	2	2	2	1
Lepi-RV	3	3	3	1
Lepi-UgSL-al	3	3	3	1
Lepi-UgSL-sl	3	3	3	1
BA workability				

Agro Pontino	Emmer wheat	Other wheats	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	n/a	n/a	n/a	1
BGrap-Pl-aeo	n/a	n/a	n/a	1
BGrap-Pl-cly	n/a	n/a	n/a	1
BGrap-UL-br	n/a	n/a	n/a	1
BGrap-UL-lg	n/a	n/a	n/a	1
Fogl-DN	n/a	n/a	n/a	1
Fogl-coast	n/a	n/a	n/a	1
Lat-PL-Am 2	n/a	n/a	n/a	1
Lat-PL-Am 3	n/a	n/a	n/a	1
Lat-Pl-Alluv	n/a	n/a	n/a	1
Lat-Pl-Am 1	n/a	n/a	n/a	1
Lepi-Mt-Stee	n/a	n/a	n/a	3
Lepi-Mt-mod	n/a	n/a	n/a	2
Lepi-RV	n/a	n/a	n/a	1
Lepi-UgSL-al	n/a	n/a	n/a	1
Lepi-UgSL-sl	n/a	n/a	n/a	1
BA erosion hazard				

*Iron Age*

Pontino	Cereal-olive	Cereal-vine	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	2 & 3	2 & 3	1 & 3	1 & 3
BGrap-Pl-aeo	2	2	1	1
BGrap-Pl-cly	3	3	3	3
BGrap-UL-br	2	2	1	1
BGrap-UL-lg	3	3	3	3
Fogl-DN	3	1	2	3
Fogl-coast	3	1	2	3
Lat-PL-Am 2	2	2	1	1
Lat-PL-Am 3	1	1	2	3
Lat-Pl-Alluv	2	2	1	1
Lat-Pl-Am 1	3	3	3	3
Lepi-Mt-Stee	3	3	2	3
Lepi-Mt-mod	3	3	2	3
Lepi-RV	2	2	1	1
Lepi-UgSL-al	2	2	1	1
Lepi-UgSL-sl	2	1	2	3
IA moisture availability				

Pontino	Cereal-olive	Cereal-vine	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	1 & 3	3 & 1	1	1 & 2
BGrap-Pl-aeo	1	3	1	1
BGrap-Pl-cly	3	1	1	2
BGrap-UL-br	1	3	1	1
BGrap-UL-lg	3	3	1	1
Fogl-DN	3	3	3	3
Fogl-coast	3	3	3	3
Lat-PL-Am 2	3	3	1	1
Lat-PL-Am 3	3	1	1	2
Lat-Pl-Alluv	3	1	1	2
Lat-Pl-Am 1	3	3	3	3
Lepi-Mt-Stee	3	3	3	3
Lepi-Mt-mod	3	3	3	3
Lepi-RV	3	3	1	1
Lepi-UgSL-al	3	3	1	1
Lepi-UgSL-sl	1	1	1	2
IA nutrients availability				

Pontino	Cereal-olive	Cereal-vine	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	2 & 1	2 & 1	3 & 1 & 2	1
BGrap-Pl-aeo	2	2	1	1
BGrap-Pl-cly	1	1	2	1
BGrap-UL-br	2	2	3	1
BGrap-UL-lg	1	1	3	1
Fogl-DN	2	2	1	1
Fogl-coast	2	2	1	1
Lat-PL-Am 2	1	1	2	1
Lat-PL-Am 3	2	2	2	1
Lat-Pl-Alluv	1	1	2	1
Lat-Pl-Am 1	1	1	2	1
Lepi-Mt-Stee	3	3	2	1
Lepi-Mt-mod	3	3	2	1
Lepi-RV	2	2	2	1
Lepi-UgSL-al	2	2	3	1
Lepi-UgSL-sl	2	2	2	1
IA workability				

Pontino	Cereal-olive	Cereal-vine	Permanent cultivation of favoured plots	Self subsistence farming
BGrap br ls	n/a	n/a	n/a	1
BGrap-Pl-aeo	n/a	n/a	n/a	1
BGrap-Pl-cly	n/a	n/a	n/a	1
BGrap-UL-br	n/a	n/a	n/a	1
BGrap-UL-lg	n/a	n/a	n/a	1
Fogl-DN	n/a	n/a	n/a	1
Fogl-coast	n/a	n/a	n/a	1
Lat-PL-Am 2	n/a	n/a	n/a	1
Lat-PL-Am 3	n/a	n/a	n/a	1
Lat-Pl-Alluv	n/a	n/a	n/a	1
Lat-Pl-Am 1	n/a	n/a	n/a	1
Lepi-Mt-Stee	n/a	n/a	n/a	3
Lepi-Mt-mod	n/a	n/a	n/a	2
Lepi-RV	n/a	n/a	n/a	1
Lepi-UgSL-al	n/a	n/a	n/a	1
Lepi-UgSL-sl	n/a	n/a	n/a	1
IA erosion hazard				

*Roman Age*

Agro Pontino	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Self subsistence farming
BGrap-Pl-aeo	1	1	1	2	2	1	1
BGrap-Pl-cly	2	2	3	3	2	2	3
BGrap-UL-br	2	2	1	2	2	1	1
BGrap-UL-lg	2	2	2	2	2	2	3
Fogl-DN	1	2	3	1	3	1	3
Fogl-coast	1	2	3	1	3	1	3
Lat-PL-Am 2	2	2	1	2	2	1	1
Lat-PL-Am 3	2	2	3	1	1	1	3
Lat-Pl-Alluv	2	2	1	2	2	1	1
Lat-Pl-Am 1	2	2	3	3	2	2	3
Lepi-Mt-Stee	2	2	3	3	3	3	3
Lepi-Mt-mod	1	2	3	3	3	3	3
Lepi-RV	2	2	1	2	2	1	1
Lepi-UgSL-al	3	3	1	2	2	1	1
Lepi-UgSL-sl	2	2	3	1	2	1	3
RA moisture availability							

Agro Pontino	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Self subsistence farming
BGrap-Pl-aeo	1	3	3	1	1	3	1
BGrap-Pl-cly	1	1	1	1	2	1	2
BGrap-UL-br	1	3	3	1	1	3	1
BGrap-UL-lg	1	1	3	1	3	3	1
Fogl-DN	3	3	3	3	3	3	3
Fogl-coast	3	3	3	3	3	3	3
Lat-PL-Am 2	1	1	3	1	3	3	1
Lat-PL-Am 3	1	1	1	1	3	1	2
Lat-Pl-Alluv	1	1	1	1	3	1	2
Lat-Pl-Am 1	3	3	3	3	3	3	3
Lepi-Mt-Stee	3	3	3	3	3	3	3
Lepi-Mt-mod	3	3	3	3	3	3	3
Lepi-RV	1	1	3	1	3	3	1
Lepi-UgSL-al	1	1	3	1	3	3	1
Lepi-UgSL-sl	1	3	3	1	1	1	2
RA nutrients availability							

Agro Pontino	Barley	Millet	Emmer wheat	Other wheats	Polyculture of cereals with olives	Polyculture of cereals with grapes	Self subsistence farming
BGrap br ls	1 & 2	2 & 1	2 & 1	2 & 1	2 & 1	2 & 1	1
BGrap-Pl-aeo	2	2	2	2	2	2	1
BGrap-Pl-cly	1	1	1	1	1	1	1
BGrap-UL-br	1	2	2	2	2	2	1
BGrap-UL-lg	1	1	1	1	1	1	1
Fogl-DN	2	2	2	2	2	2	1
Fogl-coast	2	2	2	2	2	2	1
Lat-PL-Am 2	1	1	1	1	1	1	1
Lat-PL-Am 3	1	2	2	2	2	2	1
Lat-Pl-Alluv	1	2	2	2	1	1	1
Lat-Pl-Am 1	1	1	1	1	1	1	1
Lepi-Mt-Stee	1	3	3	3	3	3	1
Lepi-Mt-mod	3	3	3	3	3	3	1
Lepi-RV	1	2	2	2	2	2	1
Lepi-UgSL-al	1	2	2	2	2	2	1
Lepi-UgSL-sl	1	2	2	2	2	2	1
RA workability							

**Sibaritide evaluation results***Bronze Age*

Sibaris	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
Cerchia-HL	3	3	3	3	2	3
Lauro-RV-fp	3	3	3	3	3	2
Lauro-RV-t	1	2	1	1	1	1
Lauro-USL	1	2	1	1	2	1
Sybaris-PL	1	2	1	1	2	1
BA-Moist						

Sibaris	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
Cerchia-HL	3	3	3	n/a	3	3
Lauro-RV-fp	3	1	1	n/a	1	3
Lauro-RV-t	3	3	3	n/a	3	3
Lauro-USL	3	3	3	n/a	3	3
Sybaris-PL	3	3	3	n/a	3	3
BA-nutrients						

Sibaris	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
Cerchia-HL	2	2	3	3	n/a	n/a
Lauro-RV-fp	2	2	2	3	n/a	n/a
Lauro-RV-t	2	2	2	?	n/a	n/a
Lauro-USL	2	2	2	?	n/a	n/a
Sybaris-PL	2	2	2	?	n/a	n/a
BA workability						

Sibaris	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
Cerchia-HL	n/a	n/a	n/a	n/a	n/a	2
Lauro-RV-fp	n/a	n/a	n/a	n/a	n/a	2
Lauro-RV-t	n/a	n/a	n/a	n/a	n/a	2
Lauro-USL	n/a	n/a	n/a	n/a	n/a	2
Sybaris-PL	n/a	n/a	n/a	n/a	n/a	2
BA rooting conditions						

Sibaris	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
Cerchia-HL	n/a	n/a	n/a	n/a	3	n/a
Lauro-RV-fp	n/a	n/a	n/a	n/a	1	n/a
Lauro-RV-t	n/a	n/a	n/a	n/a	1	n/a
Lauro-USL	n/a	n/a	n/a	n/a	2	n/a
Sybaris-PL	n/a	n/a	n/a	n/a	1	n/a
BA erosion hazard						

<b>Sibaris</b>	Ccult	Ccult-other	Pcftp	Ssf	olive	vine
<b>Cerchia-HL</b>	3,3,2,n/a,n/a	3,3,2,n/a,n/a	3,3,3,n/a,n/a	3,n/a,3,n/a,n/a	2,3,n/a,n/a,3	3,3,n/a,2,n/a
<b>Lauro-RV-fp</b>	3,3,2,n/a,n/a	3,1,2,n/a,n/a	3,1,2,n/a,n/a	3,n/a,3,n/a,n/a	3,1, n/a,n/a,1	2,3,n/a,2,n/a
<b>Lauro-RV-t</b>	1,3,2,n/a,n/a	2,3,2,n/a,n/a	1,3,2,n/a,n/a	1,n/a,?,n/a,n/a	1,3,n/a,n/a,1	1,3,n/a,2,n/a
<b>Lauro-USL</b>	1,3,2,n/a,n/a	2,3,2,n/a,n/a	1,3,2,n/a,n/a	1,n/a,?,n/a,n/a	2,3,n/a,n/a,2	1,3,n/a,2,n/a
<b>Sybaris-PL</b>	1,3,2,n/a,n/a	2,3,2,n/a,n/a	1,3,2,n/a,n/a	1,n/a,?,n/a,n/a	2,3,n/a,n/a,1	1,3,n/a,2,n/a
<b>BA-Moist</b>						

*First number = moisture availability*

*Second number = nutrients availability*

*Third number = workability*

*Fourth number = rooting conditions*

*Fifth number = erosion hazard*

*Iron Age*

Sibaris	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Cerchia-HL	3	3	2	3
Lauro-RV-fp	3	3	3	3
Lauro-RV-t	2	2	1	1
Lauro-USL	2	2	1	1
Sybaris-PL	2	2	1	1
IA moisture availability				

Sibaris	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Cerchia-HL	3	3	3	n/a
Lauro-RV-fp	1	3	1	n/a
Lauro-RV-t	3	3	3	n/a
Lauro-USL	3	3	3	n/a
Sybaris-PL	3	3	3	n/a
IA nutrients availability				

Sibaris	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Cerchia-HL	3	3	3	3
Lauro-RV-fp	1	1	2	3
Lauro-RV-t	1	1	2	?
Lauro-USL	3	3	2	?
Sybaris-PL	1	1	2	?
IA workability				

Sibaris	Cereal-olive	Cereal-vine	Pcfp-IA	Ssf
Cerchia-HL	3,3,3	3,3,3	2,3,3	3,n/a,3
Lauro-RV-fp	3,1,1	3,3,1	3,1,2	3,n/a,3
Lauro-RV-t	2,3,1	2,3,1	1,3,2	1,n/a,?
Lauro-USL	2,3,3	2,3,3	1,3,2	1,n/a,?
Sybaris-PL	2,3,1	2,3,1	1,3,2	1,n/a,?
IA moisture availability				

*First number = moisture availability*

*Second number = nutrients availability*

*Third number = workability*

*Archaic and Roman Age*

Sibaris	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Cerchia-HL	2	2	3	3	3	3	3
Lauro-RV-fp	2	2	3	3	2	2	3
Lauro-RV-t	2	2	1	2	2	1	1
Lauro-USL	2	2	1	2	2	1	1
Sybaris-PL	2	2	1	2	2	1	1
RA-moisture							

Sibaris	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Cerchia-HL	3	3	3	3	3	3	n/a
Lauro-RV-fp	1	3	3	1	1	3	n/a
Lauro-RV-t	3	3	3	3	3	3	n/a
Lauro-USL	3	3	3	3	3	3	n/a
Sybaris-PL	3	3	3	3	3	3	n/a
RA nutrients							

Sibaris	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Cerchia-HL	1	3	3	3	3	3	3
Lauro-RV-fp	1	1	1	1	1	1	3
Lauro-RV-t	1	1	1	1	1	1	?
Lauro-USL	1	3	3	3	3	3	?
Sybaris-PL	1	2	2	2	1	1	?
RA workability							

Sibaris	Barley-RA	Millet-RA	RA-Ccult	RA-Ccult-other	RA-cereal-olive	RA-cereal-vine	Ssf
Cerchia-HL	231	233	333	333	333	333	3n/a3
Lauro-RV-fp	211	231	331	311	211	231	3n/a3
Lauro-RV-t	231	231	131	231	231	131	1n/a?
Lauro-USL	231	233	133	233	232	132	1n/a?
Sybaris-PL	231	232	132	232	231	131	1n/a?
RA							

- 1 = moisture*  
*2 = nutrients*  
*3 = workability*

## Appendix D

### Pollen data

	1	2	3	4	5	6	7	8
<b>Colle S. Lorenzo (Italy)</b>	212	191	185	170	150	130	120	105
Pistacia	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Betula	0.0	3.4	0.0	0.0	0.2	0.0	0.0	0.0
Viburnum-type	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Juglans	0.0	1.1	0.0	0.0	0.2	0.0	0.0	0.0
Olea	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Fraxinus	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Abies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Punica	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Sorbus-type	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Salix	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Tilia	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Impatiens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Campanulaceae	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Humulus/Cannabis	0.0	0.0	27.1	0.0	0.0	0.0	0.0	0.0
Noaea-type	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Matricaria-type	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0
Cruciferae	0.0	0.0	1.4	0.0	0.2	0.0	0.0	0.0
Brassica-type	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Hordeum/Triticum	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0
Labiatae	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Teucrium	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Anthyllis-type	1.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Lotus-type	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Lythrum	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Malvaceae	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0
Plantago coronopus-type	0.0	0.0	0.0	0.0	1.2	0.1	0.0	0.0
Polygonum convolvulus-tp	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Polygonum persicaria-tp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Cyclamen	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
Ranunculus repens-tp	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
Galium-type	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.5
Solanaceae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Umbelliferae	0.0	2.2	0.5	0.0	0.0	0.0	0.0	0.0
Typha latifolia	0.0	0.0	0.9	0.0	0.7	0.0	0.0	0.0
Potamogeton	0.0	2.2	0.0	1.0	0.0	0.0	0.0	0.0
Myriophyllum spic./vert.	0.0	0.0	0.9	0.0	0.2	0.0	0.0	0.0
Polypodium	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0
Botrychium	0.0	1.1	0.0	0.0	0.0	0.1	0.0	0.0
Pediastrum	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0
Anthoceros laevis-type	0.0	2.2	0.0	0.0	0.0	0.7	0.0	0.0
Anthoceros punctatus	0.0	0.0	0.5	0.0	0.0	0.3	0.0	0.0
BvG:type8Ba	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0
BvG:type74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8

Table 1 Overview of all taxa from the Colle San Lorenzo-core, which were excluded from the pollen diagram because of occurrences less than 3 pollen per spectrum.







	9	10	11	12	13	14	15
Lysimachia	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Ranunculaceae	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranunculus arvensis-type	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium-type	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Liliaceae	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosaceae	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Filipendula	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asparagus	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla-type	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sanguisorba officinalis	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saxifragaceae	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum	0.0	3.7	0.0	0.0	0.0	0.0	0.0
Scrophularia/Verbascum-t	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Veronica	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apium-type	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bunium-type	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Menyanthes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myriophyllum alternifl.	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lemna	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Botrychium	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ophioglossum	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Selaginella	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zygnemataceae	0.0	0.0	0.0	1.5	0.0	0.0	0.0
Gelasinospora	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Anthoceros laevis-type	0.0	0.0	1.8	0.0	0.0	0.1	0.0
Anthoceros punctatus	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VanGeel tp 8Be	0.0	0.0	0.0	3.0	0.0	0.0	0.0
VanGeel tp 18a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VanGeel tp 304	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Ceratophyllum	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Monolete echinate	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 Overview of all taxa from the Lago di Fogliano-core, which were excluded from the pollen diagram because of occurrences less than 3 pollen per spectrum.

	1	2	3	4	5	6	7	8
<b>Laghi di Vescovo (Italy)</b>	280	270	260	250	239	230	220	210
Ilex	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Hedera	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Betula	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0
Juglans	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0
Myrtus	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Pinus	0.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Prunus-type	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Rosa-type	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
Chenopodiaceae	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Aellenia-type	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.7
Cistus	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
Helianthemum	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Compositae Tubuliflorae	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
Centaurea solstitialis-t	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Hordeum/Triticum	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Leguminosae	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lotus-type	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Plantago coronopus-type	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Rumex hydrolapathum	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Thalictrum	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Solanum dulcamara	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Umbelliferae	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
Apium-type	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Urtica	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
Typha latifolia	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Nuphar	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Trapa natans	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Pteridium	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Isoetes	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
Anthoceros laevis-type	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Polypodium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
BvG:type 8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BvG:type 353a	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Indeterminata	0.0	0.6	0.0	0.0	3.0	0.0	0.0	0.0

Table 3 Overview of all taxa from the Laghi di Vescovo-core, which were excluded from the pollen diagram because of occurrences less than 3 pollen per spectrum.