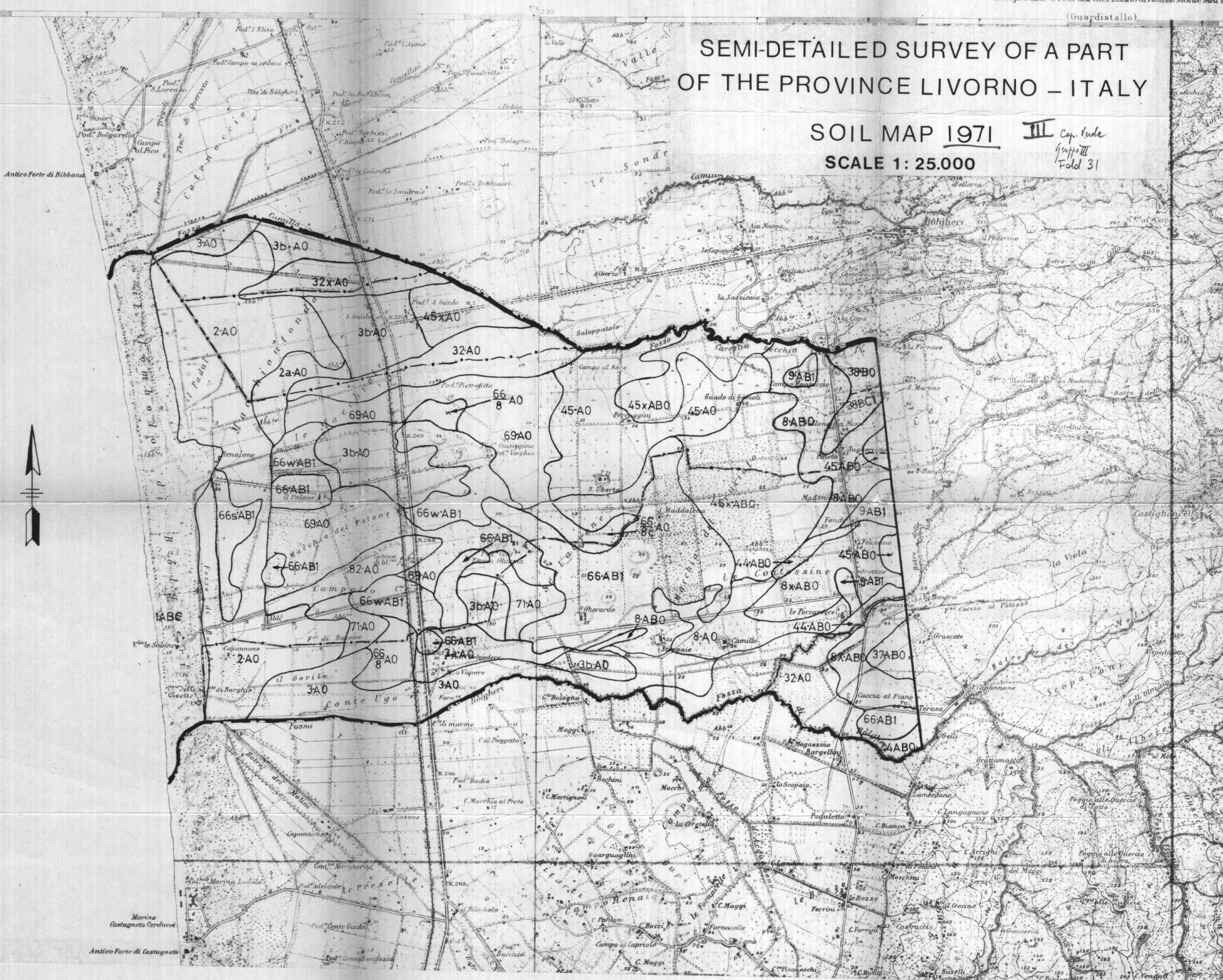


# SEMI-DETAILED SURVEY OF A PART OF THE PROVINCE LIVORNO - ITALY

## SOIL MAP 1971 III Cap. Verde Gruppo III Fold 31

SCALE 1: 25.000

REGIONE TOSCANA  
Dipartimento Agricoltura e Foreste  
GRUPPO  
CARTOGRAFIA PEDOLOGICA



| Group                             | Nr. Mapping unit | Name         | Characteristics                                    | Profile Development  |          |
|-----------------------------------|------------------|--------------|--|--|----------|
| Alluvial Soils calcareous         | 2                | A0           | Vada   | Non or slightly gravelly, poorly drained, dark coloured, heavy textured lagoonal clay soils  | AC       |
|                                   | 2a               | A0           | Machiole   | Slightly gravelly to gravelly, medium textured, moderately well drained alluvium over lagoonal clay soils  | AC II C  |
|                                   | 32               | A0           | Madonnina  | Non or slightly gravelly, medium textured, well drained to moderately well drained stream alluvial soils   | AC       |
|                                   | 32x              | A0           | Gravelly Madonnina                                 | Same as 32 A0 but gravelly   | AC       |
|                                   | 3                | A0           | Fine   | Non or slightly gravelly, medium textured, moderately well drained, stream alluvium soils  | AC       |
|                                   | 3b               | A0           | Emilia   | Non gravelly heavy textured, slightly calcareous, poorly drained basin clay soils  | AC       |
|                                   | 82               | A0           | Levee alluvium complex                             | Levee alluvium complex, partly gravelly on ridges, non calcareous on surface to calcareous in subsoil, medium textured; with heavy textured soils in low areas, moderately to poorly drained   | AC       |
|                                   | 71               | A0           | Olympia  | Dark coloured, medium textured alluvial soils with coarse sand, with gravels in subsoil, poorly drained  | AC       |
|                                   | 44               | AB0          | Gully complex                                      | Heterogeneous textured, well drained gully filled soils  | AC       |
|                                   | 69               | A0           | Alluvium complex                                   | Alluvium complex, light to medium textured soils non gravelly to gravelly, non calcareous to calcareous sometimes grey Riposa below, at places panchina below, well to moderately well drained | AC       |
| Alluvial Fan Soils non-calcareous | 8                | AB0 II       | Grey Riposa  | Medium textured non or slightly gravelly, imperfectly drained, many gley spots and Mn mottles in subsoil   | AB2C     |
|                                   | 8x               | AB0 IV       | Gravelly Grey Riposa                               | Medium to heavy textured soils, gravelly throughout and sometimes non gravelly surface soils, common to many manganese concretions in subsoil, imperfectly drained                             | AB2C     |
| calcareous                        | 9                | AB1 II       | Red Riposa   | Medium textured, non or slightly gravelly, well drained soils  | AB2C     |
|                                   | 45               | A0           | Ceppo  | Non to slightly gravelly, poorly to moderately well drained, heavy textured soils, with calcic horizons in the subsoil at most places  | ABC      |
|                                   | 45x              | A0.AB0       | Gravelly Ceppo                                     | Gravelly, poorly to moderately well drained, heavy textured soils with calcic horizon in the subsoil   | ABC      |
|                                   | 37               | AB0 III      | Pastina  | Very gravelly to stony, medium textured, well drained soils  | AC       |
| Aeolian Soils non-calcareous      | 38               | B0, BC1 I II | Orciano  | Non or slightly gravelly, medium textured, well drained soils  | AC       |
|                                   | 66               | AB1 II       | Aliki  | Non gravelly, very light surface soils with light textured subsoil, well drained   | AB2C     |
| calcareous                        | 66w              | AB1          | Wet Aliki  | Similar as 66 with more grayish brown subsoil and sometimes manganese concretions  | AB2C     |
|                                   | 66s              | AB1          | Dry Aliki  | Similar to 66 with shallow phase and Panchina layer below  | AC       |
|                                   | 66/8             | A0           | Aliki over Grey Riposa                             | Soils of 66 over Riposa  | A II Btc |
|                                   | 66/8c            | A0           | Aliki over coarse Grey Riposa                      | Soils of 66 over light textured coarse grey Riposa   | A II Btc |
| 1                                 | ABC              | Marina       | Non or slightly gravelly beach and dune sand soils | AC   |          |

Slope phases:  
 A --- 0- 3%  
 B --- 3- 8%  
 C --- 8- 16%  
 D --- 16- 30%  
 E --- > 30%

Erosion phases:  
 0 --- nor or slightly eroded  
 1 --- moderately  
 2 --- severely eroded  
 3 --- very severely eroded