

## ROMANIA



Source: esri

### General

Romania in South-eastern Europe borders Hungary and Serbia in the West, Ukraine and Moldova in the Northeast, and Bulgaria in the South. Romania has a stretch of sea coast along the Black Sea. The area of Romania is 24 Mha (million hectares) with, in 2022, a population of 19.7 million, or 0.82 persons per ha (Wikipedia and United Nations, 2022).

### Climate and geography

Owing to its distance from open sea and its position on the southeastern portion of the European Continent, Romania has a climate that is temperate and continental, with four distinct seasons. There are some regional differences: in western sections, the climate is milder and has some Mediterranean influences. The eastern part of the country has a more pronounced continental climate. The average annual temperature is 11 °C in the South and 8 °C in the North. In summer, average maximum temperatures in Bucharest rise to 28 °C, and temperatures over 35 °C are fairly common in the lower-lying areas of the country. In winter, the average maximum temperature is below 2 °C. In the lower-lying areas precipitation is about 570 mm per year (source: Wikipedia).

In Romania an area of 3.5 Mha is flood prone out of which 2.2 Mha are agricultural lands, representing 15% of the territory of the country. Most of these areas are located in the Danube Floodplain and Danube Delta, as well as in the floodplains of the Someș, Mureș, Crișuri, Timiș, Olt and Siret rivers. The first flood protection works were constructed in the Banat Plain between 1717 and 1756. Flood protection within the floodplain of the Danube River started in 1895 along the Sf. Georghe Branch in the Danube Delta (Group Polder Development, 1982; Mihnea, 1983; Botzan *et al.*, 2004).

### Existing polders

Csekő and Hayde (2004) describe that the first polder of 467 ha that was completed in 1895 was called the Dutch Garden. They also state that the dike became in a bad condition and the polder was abandoned. On Google Earth it can be seen that the area is now nature.

The polders are mainly situated in the floodplain of Danube River and in the Danube Delta. In the floodplain there are 44 polders (Figure 1). The oldest one of these polders is the Chirnogi-Arges Polder (no. 19) with an area of 1,658 ha. In 1910 the polder area in the floodplain of Danube River reached 7,100 ha. By 1947 12,900 ha was reclaimed and by 1962 100,000 ha. At present the largest one is the Pardina Polder in the Danube Delta with an area of 26,100 ha.

Characteristics of the existing polders in Romania are shown in Table I. The design criteria for the water management and flood protection systems are shown in Table II (Group Polder Development, 1982; Mihnea, 1983).

### Proposed polders

As far as can be found there are no proposed polders. On the other hand three polders – Babina, Cernovca and Fortuna - with a total area of 5,775 ha have been reflooded in the Danube Delta (Schneider *et al.*, 2008; The World Bank, 2009; Iordachi and Van Assche, 2015). There is a plan to also reflood the Calarasi-Riul polder (Iordachi and Van Assche, 2015).

### Drainage and flood protection

Botzan *et al.* (2004) show the development of a schematic lay out of the Malu Rosu-Baneasa Polder (Figure 2). They also show a geohydrologic cross-section of Insula Mare A Brailei Polder (Figure 3). Csekő and Hayde (2004) show a detailed lay out of the drainage system of the polder (Figure 4)

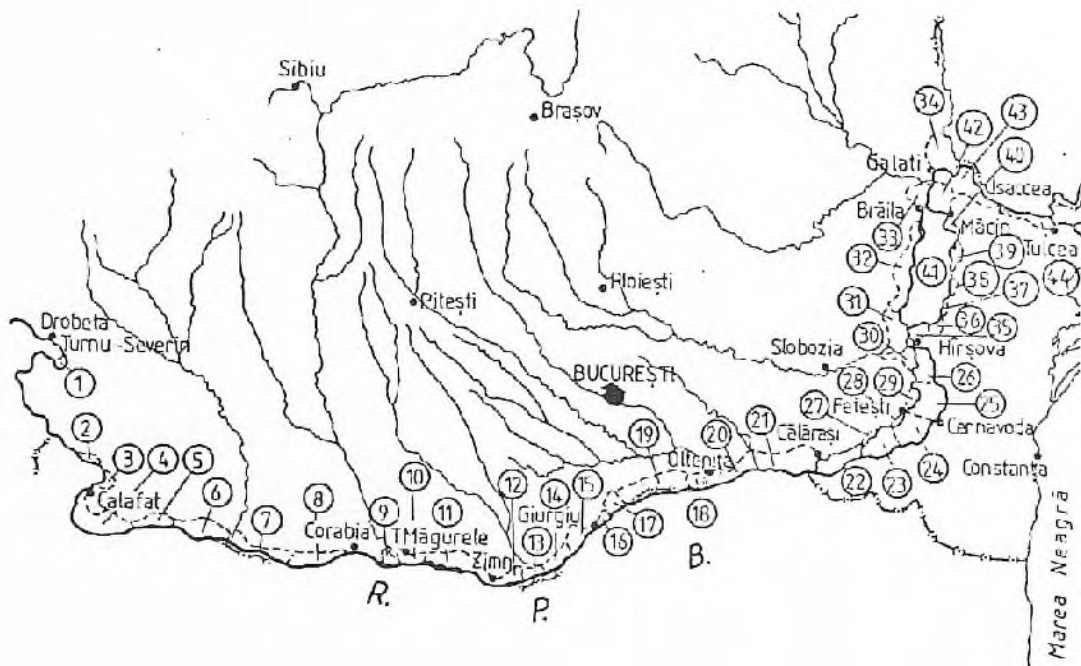


Figure 1. Polders in Romania in the floodplain of Danube River (Mihnea, 1983)

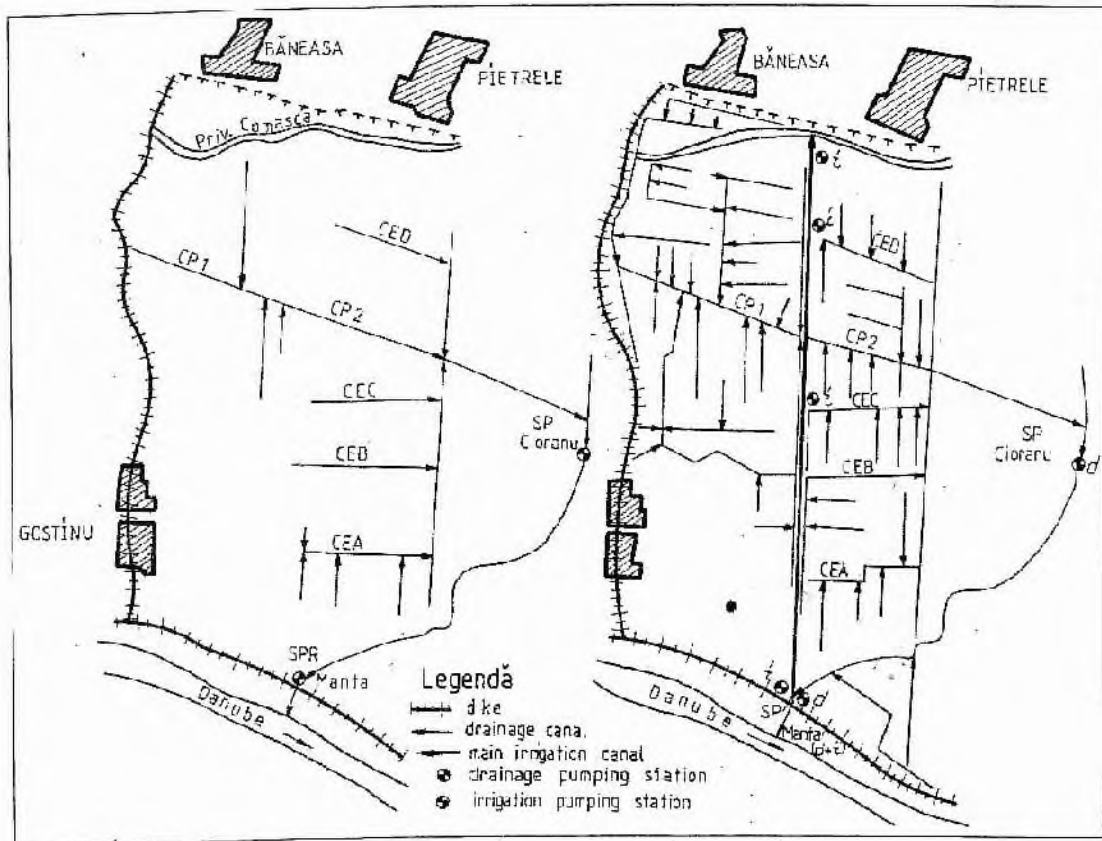


Figure 2. Schematic lay out of the Malu Rosu-Baneasa Polder (Botzan et al., 2004)

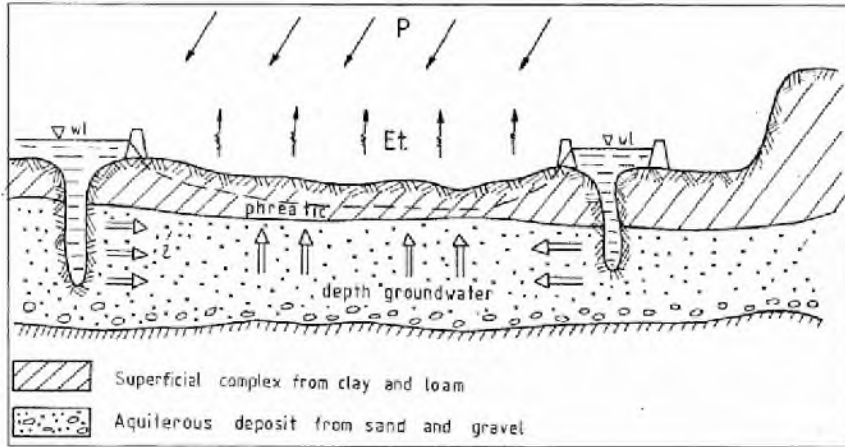


Figure 3. Schematic geohydrologic cross-section of Insula Mare A Brailei Polder (Botzan et al., 2004)

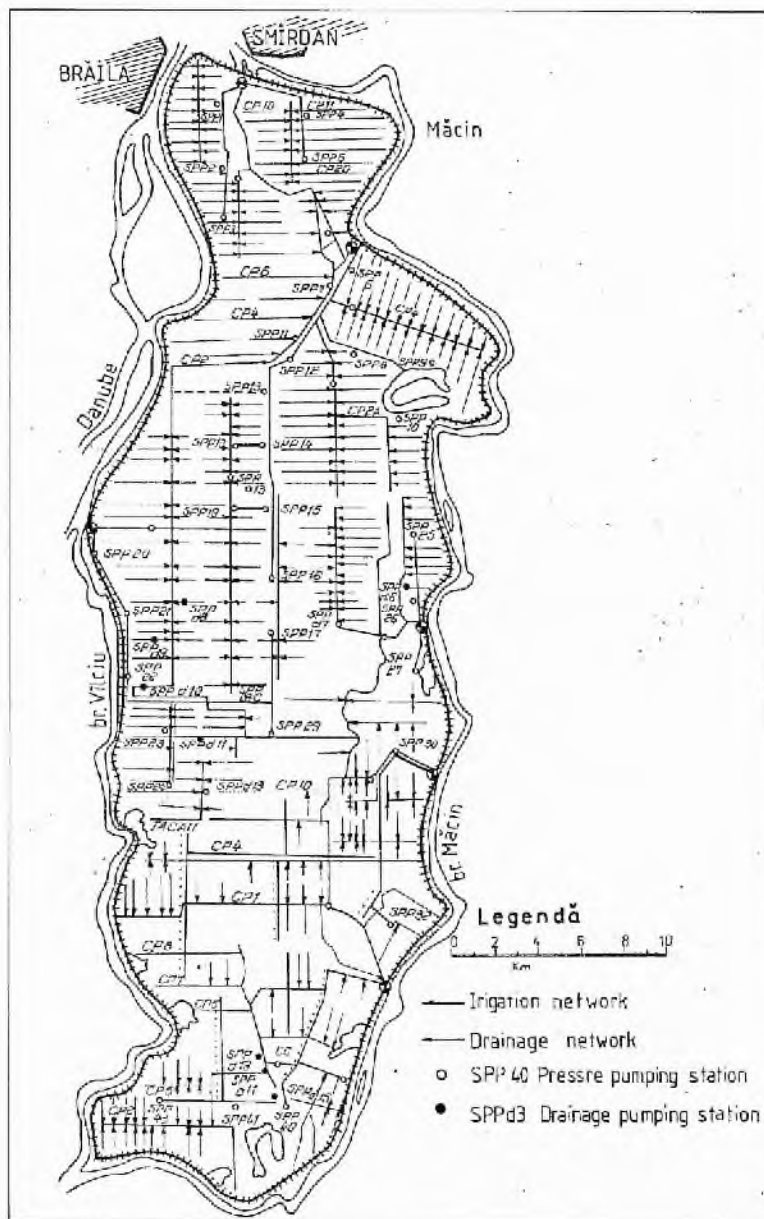


Figure 4. Lay out of the water management system of Insula Mare A Brailei Polder (Csekő and Hayde, 2004)

## Location of the polders in Romania as shown on the World polder map

The location of the polders in Romania is shown in Figure 5.



Figure 5. Location of the polders in Romania (source: esri – Batavialand)

The pictures by Prof. Adriaan Volker are shown in Table III. The pictures by Prof. Bart Schultz are shown in Table IV.



View on a polder in the floodplain of the Danube River



Seepage spots at the inner too of the dike surrounding the Pardina Polder in the Danube Delta



Pumping station of the Pardina Polder in the Danube Delta. This pumping station can be operated on supply and on discharge



Landscape in the Pardina Polder in the Danube Delta

## References

- Botzan, M., C. Haret and I. Mihnea, 2004. *History of irrigation, drainage and flood control in Romania*. In: G. Csekö and L. Hayde. *Danube Valley. History of irrigation, drainage and flood control*. International Commission on Irrigation and Drainage, New Delhi, India.
- Csekö, G. and L. Hayde, 2004. *Danube Valley. History of irrigation, drainage and flood control*. International Commission on Irrigation and Drainage (ICID). New Delhi, India.
- Group Polder Development, Department of Civil Engineering, Delft University of Technology, 1982. *Polders of the World. Compendium of polder projects*. Delft, the Netherlands.
- International Commission for the Protection of the Danube River, 2018. *A shared river. Managing the Danube River Basin*. Vienna, Austria.
- Iordachi, Constantin and Kristof van Assche (eds.). 2015. *The bio-politics of the Danube Delta. Nature, history, policies*. Lexington Books. Lanham, Boulder, New York and London, USA and United Kingdom.
- Jong, J. de and E. Schultz, 1982. De ontwikkeling van de Donau-delta. *Cultuurtechnisch Tijdschrift*, jaargang 22 nr. 2. augustus/september. (in Dutch)
- Mihnea, Iulian. 1983. *Some of the Danube Floodplain polder project criteria*. In: *Polders of the World. Papers international symposium*, vol. 1. p.p. 630 - 642. International Institute for Land Reclamation and Improvement, Wageningen, the Netherlands.
- Schultz, Bart. 2015. *Some Aspects of water management and land reclamation in the Danube Delta*. Chapter 13 in the book: *The bio-politics of the Danube Delta: nature, history, policies*, Edited by Constantin Iordachi and Kristof van Assche. Lexington Books, New York, USA.
- Schneider, Erika, Marian Tudor & Mircea Staraş (eds.), 2008. Evolution of Babina polder after restoration works. *Agricultural polder Babina, a pilot project of ecological restoration*. WWF Germany, Chair WWF- Institute for Floodplains Ecology, Department of Water and River Basin Management University of Karlsruhe, Danube Delta National Institute for Research and Development (DDNI). Karlsruhe, Germany and Tulcea, Romania.
- United Nations, Department of Economic and Social Affairs, Population Division. 2022. *World population prospects, medium prognosis. The 2022 revision*. New York, USA.
- The World Bank, Environment Department, 2009. *Convenient Solutions to an Inconvenient Truth: Ecosystem-based Approaches to Climate Change*. Washington DC, USA.

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*Lelystad, February 2024*



Table I. General characteristics of existing polders in Romania

| Name   | No in Figure 1 | Reclamation | Area in ha | Type *) | Latitudes | Longitudes | Elevation in m+MSL | Land use                          |
|--|----------------|-------------|------------|---------|-----------|------------|--------------------|-----------------------------------|
| <i>Polders in the floodplain of Danube River</i> |                |             |            |         |           |            |                    |                                   |
| Ostrovul Corbului                                | 1              |             |            | RLL     | 44° 31' N | 22° 45' E  | 43                 | Agriculture                       |
| Gruia-Cetate                                     | 2              |             |            | RLL     | 44° 8' N  | 22° 55' E  | 38                 | Agriculture and forest            |
| Cetate-Basarabi                                  | 3              |             |            | RLL     | 44° 2' N  | 23° 3' E   | 38                 | Agriculture and forest            |
| Calapat-Ciuperceni-Ghidici                       | 4              |             |            | RLL     | 43° 52' N | 22° 53' E  | 33                 | Agriculture and forest            |
| Ghidici-Rast-Bistret                             | 5              |             |            | RLL     | 43° 52' N | 23° 21' E  | 32                 | Agriculture, forest and nature    |
| Bistret-Nedeia-Jiu                               | 6              |             |            | RLL     | 43° 49' N | 23° 35' E  | 26                 | Agriculture and agro-pisciculture |
| Jiu-Bechet-Dabuleni                              | 7              |             |            | RLL     | 43° 46' N | 23° 51' E  | 27                 | Agriculture                       |
| Dabuleni-Potelu-Corabia                          | 8              |             |            | RLL     | 43° 43' N | 24° 12' E  | 24                 | Agriculture                       |
| Gircov-Islaz-Moldoveni                           | 9              |             |            | RLL     | 43° 44' N | 24° 45' E  | 35                 | Agriculture                       |
| Lita-Seaca                                       | 10             |             |            | RLL     | 43° 44' N | 24° 55' E  | 31                 | Agriculture                       |
| Seaca-Vinatori-Suhaia                            | 11             |             |            | RLL     | 43° 42' N | 25° 14' E  | 22                 | Agriculture                       |
| Zimnicea-Nasturelu                               | 12             |             |            | RLL     | 43° 39' N | 25° 26' E  | 21                 | Agriculture                       |
| Contesti-Bujoru-Petrosani                        | 13             |             |            | RLL     | 43° 40' N | 25° 33' E  | 20                 | Agriculture                       |
| Vedea-Petrosani                                  | 14             |             |            | RLL     | 43° 43' N | 25° 44' E  | 18                 | Agriculture                       |
| Mahiru-Slobozia                                  | 15             |             |            | RLL     | 43° 49' N | 25° 52' E  | 17                 | Agriculture                       |
| Giurgiu-Remus                                    | 16             |             |            | RLL     | 43° 56' N | 26° 2' E   | 18                 | Forest                            |
| Malu Rosu-Baneasa                                | 17             |             |            | RLL     | 43° 59' N | 26° 5' E   | 16                 | Agriculture                       |
| Gostinu-Prundu-Greaca                            | 18             | -1910       | 1,493      | RLL     | 44° 4' N  | 26° 35' E  | 16                 | Agriculture                       |
| Chirnogi-Arges                                   | 19             | -1904       | 1,658      | RLL     | 44° 3' N  | 26° 23' E  | 18                 | Agriculture                       |
| Oltenita-Surlari-Dorobantu                       | 20             | 1905-1906   | 3,150      | RLL     | 44° 7' N  | 26° 49' E  | 10                 | Agriculture                       |
| Boianu-Sticleanu-Calarasi                        | 21             |             |            | RLL     | 44° 9' N  | 27° 10' E  | 10                 | Agriculture                       |
| Calarasi-Riul                                    | 22             |             |            | RLL     | 44° 10' N | 27° 27' E  | 9                  | Agriculture                       |
| Borcea De Sus comp. I                            | 23             |             |            | RLL     | 44° 14' N | 27° 41' E  | 9                  | Agriculture                       |
| Borcea De Sus comp. II + III                     | 24             |             |            | RLL     | 44° 17' N | 27° 49' E  | 10                 | Agriculture                       |
| Borcea De Jos comp. I + II                       | 25             |             |            | RLL     | 44° 22' N | 27° 57' E  | 6                  | Agriculture                       |
| Borcea De Jos comp. III                          | 26             |             |            | RLL     | 44° 29' N | 28° 0' E   | 5                  | Agriculture                       |
| Gildau-Jegalia                                   | 27             |             |            | RLL     | 44° 17' N | 22° 38' E  | 16                 | Agriculture                       |
| Borcea-Fetesti                                   | 28             |             |            | RLL     | 44° 20' N | 22° 47' E  | 9                  | Agriculture                       |
| Stelnica-Bordusani                               | 29             |             |            | RLL     | 44° 26' N | 22° 54' E  | 9                  | Agriculture                       |
| Facaeni-Vladeni                                  | 30             |             |            | RLL     | 44° 36' N | 22° 53' E  | 9                  | Agriculture                       |
| Giurgeni-Calmatui                                | 31             |             |            | RLL     | 44° 45' N | 27° 48' E  | 4                  | Agriculture and horticulture      |
| Calmatui-Gropeni-Chiscani                        | 32             |             |            | RLL     | 45° 1' N  | 27° 51' E  | 7                  | Agriculture and horticulture      |
| Braila-Dunare-Siret                              | 33             |             |            | RLL     | 45° 21' N | 27° 58' E  | 3                  | Agriculture                       |

|  |    |       |        |     |           |           |    |                                   |
|--|----|-------|--------|-----|-----------|-----------|----|-----------------------------------|
| Bratesul de Jos                              | 34 |       |        | RLL | 45° 29' N | 28° 47' E | 1  | Agriculture and agro-pisciculture |
| Hirsova-Ciobanu                              | 35 |       |        | RLL | 44° 44' N | 27° 58' E | 1  | Agriculture and horticulture      |
| Ciobanu-Girliciu                             | 36 |       |        | RLL | 44° 43' N | 28° 1' E  | 2  | Agriculture and horticulture      |
| Girliciu-Daeni                               | 37 |       |        | RLL | 44° 56' N | 28° 9' E  | 8  | Agriculture                       |
| Ostrov-Pecineaga                             | 38 |       |        | RLL | 45° 4' N  | 28° 10' E | 1  | Agriculture                       |
| Pecineaga-Turcoaia                           | 39 |       |        | RLL | 45° 11' N | 28° 8' E  | 9  | Agriculture                       |
| Iglita-Carcaliu-Macin                        | 40 |       |        | RLL | 45° 13' N | 28° 8' E  | 9  | Agriculture                       |
| Insula Mare A Brailei                        | 41 |       | 72,000 | RLL | 45° 4' N  | 28° 3' E  | 0  | Agriculture                       |
| Macin 23 August                              | 42 |       |        | RLL | 45° 20' N | 28° 4' E  | 1  | Agriculture                       |
| 23 August-Isaccea                            | 43 |       |        | RLL | 45° 22' N | 28° 13' E | 13 | Agriculture                       |
| Isaccea-Tulcea                               | 44 |       |        | RLL | 45° 12' N | 28° 43' E | 2  | Forest and nature                 |
| Sub-total                                    |    |       |        |     |           |           |    |                                   |
| <i>Polders in the Danube Delta</i>           |    |       |        |     |           |           |    |                                   |
| Dutch Garden                                 |    | 1895  | 467    | RLL | 45° 6' N  | 29° 10' E | 0  | Nature                            |
| Tataru                                       |    | 1951  | 2,500  | RLL | 45° 24' N | 29° 14' E | -2 | Agriculture                       |
| Pardina                                      |    | 1960s | 26,100 | RLL | 45° 19' N | 29° 8' E  | 0  | Reed cultivation/ agriculture     |
| Ada Marinescu                                |    |       | 3,400  | RLL |           |           | -2 | Agriculture                       |
| Carasuhat                                    |    |       | 3,000  | RLL | 45° 8' N  | 29° 5' E  | 0  | Reed cultivation                  |
| Murigiol Dunavat                             |    |       | 3,500  | RLL | 45° 1' N  | 29° 14' E | 0  | Agriculture                       |
| Total  |    |       | 38,967 | RLL |           |           |    |                                   |
| <i>Reflooded polders in the Danube Delta</i> |    |       |        |     |           |           |    |                                   |
| Babina                                       |    | 1994  | 2,100  | RLL |           |           |    |                                   |
| Cernovca                                     |    | 1996  | 1,560  | RLL |           |           |    |                                   |
| Fortuna, former Maliuc                       |    | 2003  | 2,115  | RLL |           |           |    |                                   |
| Total  |    |       | 5,775  |     |           |           |    |                                   |

\*) RLL = reclaimed low-lying land; LGS = land gained on the sea; DL = drained lake

Table II. Characteristics of the water management and flood protection system

| Name   | Design criteria in chance of occurrence/year |                  |                          |                    |            |                  |       |
|--|--|------------------|--------------------------|--------------------|------------|------------------|-------|
|  | Water management                             |                  |                          |                    |            | Flood protection |       |
|  | Drainage                                     |                  |                          |                    | Irrigation | Rural            | Urban |
|  | Type   | Design criterion | Percentage of open water | Discharge capacity |            |                  |       |
| m <sup>3</sup> /s                                |  |                  |                          | mm/day             |            |                  |       |
| <i>Polders in the floodplain of Danube River</i> |  |                  |                          |                    |            |                  |       |
| Ostrovul Corbului                                | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Gruia-Cetate                                     | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Cetate-Basarabi                                  | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Calapat-Ciuperceni-Ghidici                       | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Ghidici-Rast-Bistret                             | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Bistret-Nedeia-Jiu                               | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Jiu-Bechet-Dabuleni                              | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Dabuleni-Potelu-Corabia                          | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Gircov-Islaz-Moldoveni                           | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Lita-Seaca                                       | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Seaca-Vinatori-Suhaia                            | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Zimnicea-Nasturelu                               | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Contesti-Bujoru-Petrosani                        | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Vedea-Petrosani                                  | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Mahiru-Slobozia                                  | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Giurgiu-Remus                                    | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Malu Rosu-Baneasa                                | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Gostinu-Prundu-Greaca                            | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Chirnogi-Arges                                   | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Oltenita-Surlari-Dorobantu                       | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Boianu-Sticleanu-Calarasi                        | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 1- 2% |
| Calarasi-Riul                                    | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Borcea De Sus comp. I                            | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Borcea De Sus comp. II + III                     | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Borcea De Jos comp. I + II                       | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Borcea De Jos comp. III                          | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Gildau-Jegalia                                   | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Borcea-Fetesti                                   | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Stelnica-Bordusani                               | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |
| Facaeni-Vladeni                                  | RLL  | 0.6-0.7 l/s/ha   |                          |                    | 5.2-6.0    |                  | 3%    |



|                                    |     |                |  |  |         |  |          |  |
|------------------------------------|-----|----------------|--|--|---------|--|----------|--|
| Giurgeni-Calmatui                  | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Calmatui-Gropeni-Chiscani          | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Braila-Dunare-Siret                | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Bratesul de Jos                    | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Hirsova-Ciobanu                    | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Ciobanu-Girliciu                   | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Girliciu-Daeni                     | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Ostrov-Pecineaga                   | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Pecineaga-Turcoaia                 | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Iglita-Carcaliu-Macin              | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Insula Mare A Brailei              | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Macin 23 August                    | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| 23 August-Isaccea                  | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| Isaccea-Tulcea                     | RLL | 0.6-0.7 l/s/ha |  |  | 5.2-6.0 |  | 3%       |  |
| <i>Polders in the Danube Delta</i> |     |                |  |  |         |  |          |  |
| Dutch Garden                       | RLL |                |  |  |         |  |          |  |
| Tataru                             | RLL |                |  |  |         |  |          |  |
| Pardina                            | RLL | 0.85 l/s/ha    |  |  | 7.3     |  | 1% + 1 m |  |
| Ada Marinescu                      | RLL |                |  |  |         |  |          |  |
| Carasuhat                          | RLL |                |  |  |         |  |          |  |
| Murigiol Dunavat                   | RLL |                |  |  |         |  |          |  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker













|   |  |   |  |
|---|--|---|--|
|    |                      |                                      |                   |
| <p>A4 001/VII.4.1<br/>Prof. Adriaan Volker behind the microphone, 1969</p>          | <p>A4 002/VII.4.2<br/>Danube Delta with Tulcea, Str. Portului, along the Saint George Branch, 1969</p> | <p>A4 003/VII.4.3<br/>Danube Delta, Saint George Branch with Tudor Vladimirescu at the north side near Tulcea, 1969</p> | <p>A4 004/VII.4.4<br/>Danube Delta, village along the Saint George Branch, 1969</p>                  |
|    |                      |                                      |                   |
| <p>A4 005/VII.4.5<br/>Danube Delta, Saint George Branch, 1969</p>                   | <p>A4 006/VII.4.6<br/>Danube Delta, village along the Saint George Branch, 1969</p>                    | <p>A4 007/VII.4.7<br/>Danube Delta, village along the Saint George Branch, 1969</p>                                     | <p>A4 008/VII.4.8<br/>Danube Delta, village along the Saint George Branch, 1969</p>                  |
|   |                     |                                     |                  |
| <p>A4 009/VII.4.9<br/>Danube Delta, village along the Saint George Branch, 1969</p> | <p>A4 010/VII.4.10<br/>Danube Delta, Saint George Branch with in the back the Dobruja area, 1969</p>   | <p>A4 011/VII.4.11<br/>Danube Delta, Saint George Branch, 1969</p>  | <p>A4 012/VII.4.12<br/>Danube Delta, Saint George Branch with in the back the Dobruja area, 1969</p> |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)













|  |  |  |  |
|--|--|--|--|
|   |    |   |   |
| A4 013/VII.4.13<br>Danube Delta, Saint George Branch, 1969                         | A4 014/VII.4.14<br>Danube Delta, pumping station along the Saint George Branch, 1969 | A4 015/VII.4.15<br>Danube Delta, Saint George Branch, 1969                           | A4 016/VII.4.16<br>Danube Delta, drying of reet along the Saint George Branch, 1969  |
|   |    |   |   |
| A4 017/VII.4.17<br>Danube Delta, Saint George Branch, 1969                         | A4 018/VII.4.18<br>Danube Delta, reet deposited along the Saint George Branch, 1969  | A4 019/VII.4.19<br>Danube Delta, Saint George Branch, 1969                           | A4 020/VII.4.20<br>Danube Delta, Saint George Branch, 1969                           |
|  |   |  |  |
| A4 021/VII.4.21<br>Danube Delta, Dunavat – Bratul Canal, 1969                      | A4 022/VII.4.22<br>Landscape in the Danube Delta, 1969                               | A4 023/VII.4.23<br>Landscape in the Danube Delta, 1969                               | A4 024/VII.4.24<br>Landscape in the Danube Delta, 1969                               |



Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)













|   |  |  |   |
|---|--|--|---|
|                      |      |   |                                      |
| A4 025/VII.4.25<br>Landscape in the Danube Delta,<br>1969   | A4 026/VII.4.26<br>Danube Delta, mouth of the the<br>Dunavat – Bratul Canal, 1969      | A4 027/VII.4.27<br>Danube Delta, mouth of the the<br>Dunavat – Bratul Canal, 1969    | A4 028/VII.4.28<br>Canal in the Danube Delta, 1969  |
|                      |      |   |                                      |
| A4 029/VII.4.29<br>Landscape in the Danube Delta,<br>1969   | A4 030/VII.4.30<br>Canal in the Danube Delta, 1969                                     | A4 031/VII.4.31<br>Landscape in the Danube Delta,<br>1969                            | A4 032/VII.4.32<br>Pumping station, presumably at the<br>polder side of the Pardina polder in<br>the Danube Delta, 1969 |
|                     |     |  |                                     |
| A4 033/VII.4.33<br>Danube Delta with Tulcea, Str.<br>Portului, along the Saint George<br>Branch, 1969 | A4 034/VII.4.34<br>Danube Delta, view at Tulcea along<br>the Saint George Branch, 1969 | A4 035/VII.4.35<br>Danube Delta, probably Sulina<br>Branch, 1969                     | A4 036/VII.4.36<br>Danube Delta, probably Sulina<br>Branch, 1969  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)













|  |   |   |   |
|--|---|---|---|
|     |   |                                |                                |
| A4 037/VII.4.37<br>Danube Delta, probably Sulina Branch, 1969                        | A4 038/VII.4.38<br>Danube Delta, probably Sulina Branch, 1969                       | A4 039/VII.4.39<br>Danube Delta, probably Sulina Branch, 1969   | A4 040/VII.4.40<br>Danube Delta, probably Sulina Branch, 1969   |
|     |   |                                |                                |
| A4 041/VII.4.41<br>Danube Delta, probably Sulina Branch, 1969                        | A4 043/VII.4.42<br>Danube Delta, probably Sulina Branch, 1969                       | A4 043/VII.4.43<br>Danube Delta, probably Sulina Branch, 1969   | A4 044/VII.4.44<br>Danube Delta, Sulina Branch with view at the village Maliuc, 1969                              |
|    |  |                               |                               |
| A4 045/VII.4.45<br>Danube Delta, Sulina Branch with view at the village Sulina, 1969 | A4 047/VII.4.47<br>Hydrofoil in the Danube Delta, 1969                              | A4 048/VII.4.48<br>Pumping station, presumably at the polder side of the Pardina polder in the Danube Delta, 1969 | A4 049/VII.4.49<br>Pumping station, presumably at the polder side of the Pardina polder in the Danube Delta, 1969 |



Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)













|  |   |  |  |
|--|---|--|--|
|   |   |   |   |
| A4 050/VII.4.50<br>Activities in the Danube Delta, 1969                            | A4 051/VII.4.51<br>Activities in the Danube Delta, 1969                             | A4 052/VII.4.52<br>Activities in the Danube Delta, 1969                              | A4 053/VII.4.53<br>Activities in the Danube Delta, 1969                              |
|   |   |   |   |
| A4 054/VII.4.54<br>Activities in the Danube Delta, 1969                            | A4 055/VII.4.55<br>Activities in the Danube Delta, 1969                             | A4 0506/VII.4.56<br>Activities in the Danube Delta, 1969                             | A4 057/VII.4.57<br>Activities in the Danube Delta, 1969                              |
|  |  |  |  |
| A4 058/VII.4.58<br>Activities in the Danube Delta, 1969                            | A4 059/VII.4.59<br>Danube Delta, probably Sulina Branch,<br>1969                    | A4 060/VII.4.60<br>Danube Delta, probably Sulina Branch,<br>1969                     | A4 061/VII.4.61<br>Danube Delta, probably Sulina Branch,<br>1969                     |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)













|   |   |  |  |
|---|---|--|--|
|        |   |   |   |
| A4 062/VII.4.62<br>Danube Delta, probably Sulina Branch, 1969                           | A4 063/VII.4.63<br>Boat with reet in the Danube Delta, 1969                         | A4 064/VII.4.64<br>Reet transport in the Danube Delta, 1969                          | A4 065/VII.4.65<br>Isaccea in the Danube Delta, 1969                                 |
|        |   |   |   |
| A4 066/VII.4.66<br>Danube Delta, Saint George Branch with behind the Dobruja area, 1969 | A4 067/VII.4.67<br>Landscape in the Danube Delta, 1969                              | A4 068/VII.4.68<br>Danube Delta, probably Saint George Branch, 1969                  | A4 069/VII.4.69<br>Danube Delta, probably Saint George Branch, 1969                  |
|       |  |  |  |
| A4 070/VII.4.70<br>Reni in the Danube Delta, 1969                                       | A4 071/VII.4.71<br>Reni in the Danube Delta, 1969                                   | A4 072/VII.4.72<br>Reni in the Danube Delta, 1969                                    | A5 2 052/A.5.2.52<br>Polder  |



Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)

|  |   |  |  |
|--|---|--|--|
|   |   |   |   |
| B1 1 004/B.1.1.4<br>Danube Delta, May 1969   | B1 1 005/B.1.1.5<br>Danube Delta, May 1969  | B1 1 006/B.1.1.6<br>Danube Delta, May 1969   | B1 1 007/B.1.1.7<br>Danube Delta, May 1969   |
|   |   |   |   |
| B1 1 008/B.1.1.8<br>Danube Delta, May 1969   | B1 1 009/B.1.1.9<br>Danube Delta, May 1969  | B1 1 010/B.1.1.10<br>Danube Delta, May 1969  | B1 1 011/B.1.1.11<br>Danube Delta, May 1969  |
|  |  |  |  |
| B1 1 012/B.1.1.12<br>Danube Delta, May 1969  | B1 1 013/B.1.1.13<br>Danube Delta, May 1969   | B1 1 014/B.1.1.14<br>Danube Delta, May 1969  | B1 1 015/B.1.1.15<br>Danube Delta, May 1969  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)


|  |   |  |  |
|--|---|--|--|
|   |   |   |   |
| B1 1 016/B.1.1.16<br>Danube Delta, May 1969  | B1 1 017/B.1.1.17<br>Danube Delta, May 1969   | B1 1 018/B.1.1.18<br>Danube Delta, May 1969  | B1 1 019/B.1.1.19<br>Danube Delta, May 1969  |
|   |   |   |   |
| B1 1 020/B.1.1.20<br>Danube Delta, May 1969  | B1 1 021/B.1.1.21<br>Danube Delta, May 1969   | B1 1 022/B.1.1.22<br>Danube Delta, May 1969  | B1 1 023/B.1.1.23<br>Danube Delta, May 1969  |
|  |  |  |  |
| B1 1 024/B.1.1.24<br>Danube Delta, May 1969  | B1 1 025/B.1.1.25<br>Danube Delta, May 1969   | B1 1 026/B.1.1.26<br>Danube Delta, May 1969  | B1 1 027/B.1.1.27<br>Danube Delta, May 1969  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)






|  |   |  |  |
|--|---|--|--|
|   |   |   |   |
| B1 1 028/B.1.1.28<br>Danube Delta, May 1969  | B1 1 029/B.1.1.29<br>Danube Delta, May 1969   | B1 1 030/B.1.1.30<br>Danube Delta, May 1969  | B1 1 031/B.1.1.31<br>Danube Delta, May 1969  |
|   |   |   |   |
| B1 1 032/B.1.1.32<br>Danube Delta, May 1969  | B1 1 033/B.1.1.33<br>Danube Delta, May 1969   | B1 1 034/B.1.1.34<br>Danube Delta, May 1969  | B1 1 035/B.1.1.35<br>Danube Delta, May 1969  |
|  |  |  |  |
| B1 1 036/B.1.1.36<br>Danube Delta, May 1969  | B1 1 037/B.1.1.37<br>Danube Delta, May 1969   | B1 1 038/B.1.1.38<br>Danube Delta, May 1969  | B1 1 039/B.1.1.39<br>Danube Delta, May 1969  |



Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)

|  |   |  |  |
|--|---|--|--|
|   |   |   |   |
| B1 1 040/B.1.1.40<br>Danube Delta, May 1969  | B1 1 041/B.1.1.41<br>Danube Delta   | B1 1 042/B.1.1.42<br>Danube Delta  | B1 1 043/B.1.1.43<br>Danube Delta  |
|   |   |   |   |
| B1 1 044/B.1.1.44<br>Danube Delta  | B1 1 045/B.1.1.45<br>Danube Delta   | B1 1 046/B.1.1.46<br>Danube Delta  | B1 1 047/B.1.1.47<br>Danube Delta  |
|  |  |  |  |
| B1 1 048/B.1.1.48<br>Danube Delta  | B1 1 049/B.1.1.49<br>Danube Delta   | B1 1 050/B.1.1.50<br>Danube Delta  | B1 1 051/B.1.1.51<br>Danube Delta  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)







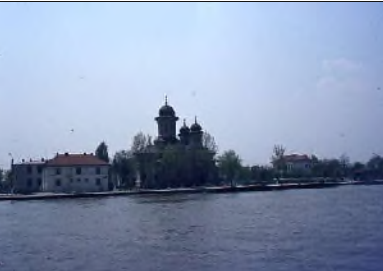


|  |   |  |  |
|--|---|--|--|
|   |   |   |   |
| B1 1 052/B.1.1.52<br>Danube Delta  | B1 1 053/B.1.1.53<br>Danube Delta   | B1 1 054/B.1.1.54<br>Danube Delta  | B1 1 055/B.1.1.55<br>Danube Delta  |
|   |   |   |   |
| B1 1 056/B.1.1.56<br>Danube Delta  | B1 1 057/B.1.1.57<br>Danube Delta   | B1 1 058/B.1.1.58<br>Danube Delta  | B1 1 059/B.1.1.59<br>Danube Delta  |
|  |  |  |  |
| B1 1 060/B.1.1.60<br>Danube Delta  | B1 1 061/B.1.1.61<br>Danube Delta   | B1 1 062/B.1.1.62<br>Danube Delta  | B1 1 063/B.1.1.63<br>Danube Delta  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)













|  |  |  |  |
|--|--|--|--|
|   |                  |   |   |
| B1 1 064/B.1.1.64<br>Danube Delta  | B1 1 065/B.1.1.65<br>Danube Delta  | B1 1 066/B.1.1.66<br>Danube Delta  | B1 1 067/B.1.1.67<br>Danube Delta  |
|   |                  |   |   |
| B1 1 068/B.1.1.68<br>Danube Delta  | B1 2 069/B.1.2.69<br>Most probably pumping station of<br>the Pardina polder in the Danube<br>Delta | B1 1 070/B.1.1.70<br>Danube Delta  | B1 1 071/B.1.1.71<br>Danube Delta  |
|  |                 |  |  |
| B1 1 072/B.1.1.72<br>Danube Delta  | B1 1 073/B.1.1.73<br>Danube Delta  | B1 1 074/B.1.1.74<br>Danube Delta  | B1 1 075/B.1.1.75<br>Danube Delta  |

Table III. Pictures of polders and lowlands in Romania by Prof. Adriaan Volker (continued)






|   |  |   |   |
|---|--|---|---|
|  |  |  |  |
| <p>B1 1 076/B.1.1.76<br/>Danube Delta</p>   | <p>B1 1 077/B.1.1.77<br/>Danube Delta</p>  | <p>B1 1 078/B.1.1.78<br/>Danube Delta</p>   | <p>B1 1 079/B.1.1.79<br/>Danube Delta</p>   |
|  |  |   |   |
| <p>B1 1 080/B.1.1.80<br/>Danube Delta</p>   |  |   |   |



Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz












|  |   |  |  |
|--|---|--|--|
|                     |                           |                           |                                 |
| D1 1 001/I-1<br>Landscape in the Pardina Polder in the Danube Delta, 24-29 August 1981               | D1 1 002/I-2<br>Landscape in the Pardina Polder in the Danube Delta, 24-29 August 1981                      | D1 1 003/I-3<br>Dike of the Pardina Polder in the Danube Delta, 24-29 August 1981                            | D1 1 004/I-4<br>Excavation of polder canals in the Pardina Polder in the Danube Delta, 24-29 August 1981           |
|                     |                           |                           |                                 |
| D1 1 005/I-5<br>Construction activities in the Pardina Polder in the Danube Delta, 24-29 August 1981 | D1 1 006/I-6<br>Unloading of lime for the dike of the Pardina Polder in the Danube Delta, 24-29 August 1981 | D1 1 009/I-9<br>Boats in one of the main canals of the Pardina Polder in the Danube Delta, 24-29 August 1981 | D1 1 010/I-10<br>Push barge in one of the main canals of the Pardina Polder in the Danube Delta, 24-29 August 1981 |
|                    |                          |                          |                                |
| D1 1 011/I-11<br>Excavation of a canal in the Pardina Polder in the Danube Delta, 24-29 August 1981  | D1 1 012/I-12<br>Excavation of a canal in the Pardina Polder in the Danube Delta, 24-29 August 1981         | D1 1 013/I-13<br>Landscape in the Pardina Polder in the Danube Delta, 24-29 August 1981                      | D1 1 014/I-14<br>Canal in the Pardina Polder in the Danube Delta, 24-29 August 1981                                |

Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)









|  |  |   |  |
|--|--|---|--|
|   |                                |                      |                   |
| <p>D1 1 017/I-17<br/>Group picture in the Pardina Polder in the Danube Delta. With yellow coat Ir. R.J. the Gloppler, soil scientist of the IJsselmeerpolders Development Authority. Right of him Dr. J. de Jong, head of the Scientific Division of the IJsselmeerpolders Development Authority. The others are Romanian specialists, 24-29 August 1981</p> | <p>D1 1 019/I-19<br/>Steamer at one of the river branches in the Danube Delta near Tulcea, 24-29 August 1981</p> | <p>D1 1 020/I-20<br/>View at a city from one of the river branches of the Danube, 24-29 August 1981</p> | <p>D1 1 021/I-21<br/>Ferry over one of the river branches in the Danube Delta, 24-29 August 1981</p> |
|    |                               |                     |                  |
| <p>D1 1 022/I-22<br/>Soil map of the Danube Delta, 24-29 August 1981</p>   | <p>D1 1 023/I-23<br/>Development map for the Danube Delta uit 1975, 24-29 August 1981</p>                        | <p>D1 1 026/I-26<br/>Russian drainage machine, 24-29 August 1981</p>                                    | <p>D2 3 001/III-1<br/>Dike along the Danube, 26/9-8/10 1983</p>                                      |

Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)













|  |   |   |   |
|--|---|---|---|
|                             |   |                          |    |
| D2 3 003/III-3<br>Polder along the Danube upstream of the Danube Delta, 26/9-8/10 1983                       | D2 3 005/III-5<br>Boats at the Danube Delta just downstream of the apex near Tulcea, 26/9-8/10 1983                           | D2 3 006/III-6<br>Church opposite of Tulcea just downstream of the apex of the Danube Delta, 26/9-8/10 1983 | D2 3 008/III-8<br>Landscape in the Pardina Polder, 26/9-8/10 1983                     |
|                             |   |                          |    |
| D2 3 010/III-10<br>Beginning of a canal perpendicular to a river branche in the Danube Delta, 26/9-8/10 1983 | D2 3 011/III-11<br>Splitting point in the Danube, probably of the Saintt George Branch and the Sulina Branche, 26/9-8/10 1983 | D2 3 012/III-12<br>Meteorologic observation station along one of the branches of the Danube, 26/9-8/10 1983 | D2 3 013/III-13<br>Excavation of a canal in the Pardina Polder, 26/9-8/10 1983        |
|                           |   |                        |  |
| D2 3 014/III-14<br>Excavation of a canal in the Pardina Polder, 26/9-8/10 1983                               | D2 3 015/III-135<br>Excavation of a canal in the Pardina Polder, 26/9-8/10 1983   | D2 3 016/III-16<br>Excavation of a canal in the Pardina Polder, 26/9-8/10 1983                              | D2 3 017/III-17<br>Excavation of a canal in the Pardina Polder, 26/9-8/10 1983        |



Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)













|   |  |   |   |
|---|--|---|---|
|            |    |    |    |
| D2 3 018/III-18<br>Swampy area in the Danube Delt<br>26/9-8/10 1983                         | D2 3 019/III-19<br>Swampy area in the Danube Delt<br>26/9-8/10 1983                  | D2 3 020/III-20<br>Excavation of a canal in the Pardina<br>Polder, 26/9-8/10 1983     | D2 3 021/III-21<br>Landscape in the Pardina Polder,<br>26/9-8/10 1983                 |
|            |    |    |    |
| D2 3 022/III-22<br>Groundwater observation pipe in<br>the Pardina Polder, 26/9-8/10<br>1983 | D2 3 023/III-23<br>Landscape in the Pardina Polder,<br>26/9-8/10 1983                | D2 3 0234/III-24<br>Landscape in the Pardina Polder,<br>26/9-8/10 1983                | D2 3 025/III-25<br>Landscape in the Pardina Polder,<br>26/9-8/10 1983                 |
|          |  |  |  |
| D2 3 026/III-26<br>Landscape in the Pardina Polder,<br>26/9-8/10 1983                       | D2 3 027/III-27<br>Canal in the Pardina Polder, 26/9-<br>8/10 1983                   | D2 3 028/III-28<br>Canal in the Pardina Polder, 26/9-<br>8/10 1983                    | D2 3 029/III-29<br>Soil treatment in the Pardina Polder,<br>26/9-8/10 1983            |

Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)




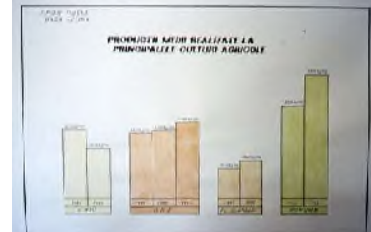
|  |   |  |  |
|--|---|--|--|
|                 |   |               |               |
| <p>D2 3 030/III-30<br/>Soil treatment in the Pardina Polder, 26/9-8/10 1983</p>                  | <p>D2 3 031/III-31<br/>Dr. J.H. van Kampen – Head Division Land Development IJsselmeerpolders Development Authority -, Dr. J. de Jong –Head Scientific Division IJsselmeerpolders Development Authority -, Ir. Ardeleanu – Project leader Danube Delta of the Romanian Institute for Research and Advice for Land Reclamation Projects (ISPIF) and two students look at smoldering peat in the Pardina Polder, 26/9-8/10 1983</p> | <p>D2 3 032/III-32<br/>Landscape in the Pardina Polder, 26/9-8/10 1983</p>                       | <p>D2 3 033/III-33<br/>Landscape in the Pardina Polder, 26/9-8/10 1983</p>                       |
|                |    |              |              |
| <p>D2 3 034/III-34<br/>Bank of one of the river branches in the Danube Delta, 26/9-8/10 1983</p> | <p>D2 3 035/III-35<br/>Map agriculture test field Uzlina in the Danube Delta, 26/9-8/10 1983</p>  | <p>D2 3 036/III-36<br/>Map agriculture test field Uzlina in the Danube Delta, 26/9-8/10 1983</p> | <p>D2 3 037/III-37<br/>Map agriculture test field Uzlina in the Danube Delta, 26/9-8/10 1983</p> |



Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)

|   |  |   |   |
|---|--|---|---|
|                        |            |    |    |
| <p>D2 3 038/III-38<br/>Agriculture test field Uzlina in the Danube Delta, 26/9-8/10 1983</p>            | <p>D2 3 039/III-39<br/>Agriculture test field Uzlina in the Danube Delta, 26/9-8/10 1983</p> | <p>D2 3 040/III-40<br/>Group picture at the agriculture test field Uzlina in the Danube Delta. From left to right Romanian staff member, Ir. Ardeleanu, Leontina - interpreter, Dr. J.H. van Kampen, Dr. J. de Jong, Mrs. Christina – representative Ministry of Agriculture – three Romanian staff members, 26/9-8/10 1983</p> | <p>D2 3 041/III-41<br/>Group picture at the agriculture test field Uzlina in the Danube Delta. From left to right Romanian staff member, Ir. Ardeleanu, Leontina, Dr. J.H. van Kampen,, Ir. Bart Schultz – Head Water Management Division IJsselmeerpolders Development Authority, Mrs. Christina, three Romanian staff members, 26/9-8/10 1983</p> |
|                       |           |   |   |
| <p>D2 3 042/III-42<br/>Sorghum in agriculture test field Uzlina in the Danube Delta, 26/9-8/10 1983</p> | <p>D2 3 043/III-43<br/>Canal in the Pardina Polder, 26/9-8/10 1983</p>                       | <p>D2 3 044/III-44<br/>Landscape in the Pardina Polder, 26/9-8/10 1983</p>  | <p>D2 3 045/III-45<br/>Traditional boats at a bank in the Danube Delta, 26/9-8/10 1983</p>  |

Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)




|  |  |   |   |
|--|--|---|---|
|   |    |                      |                            |
| <p>D2 3 046/III-46<br/>With a van at the dike of polder Macin along the Danube upstream of the delta, 26/9-8/10 1983</p> | <p>D2 3 047/III-47<br/>Newly excavated canal in the flood prone part along the Danube, upstream of the delta, 26/9-8/10 1983</p> | <p>D2 3 049/III-49<br/>Map of polders, 26/9-8/10 1983</p>   | <p>D2 3 050/III-50<br/>Irrigation area near the Danube upstream of the delta, 26/9-8/10 1983</p>              |
|   |    |                      |                            |
| <p>D3 6 001/VI-1<br/>Church opposite of Tulcea just downstream of the apex of the Danube Delta, 31/3-7/4 1986</p>        | <p>D3 6 002/VI-2<br/>Canal through the Danube Delta, 31/3-7/4 1986</p>   | <p>D3 6 003/VI-3<br/>Swampy area along one of the river branches in the Danube Delta, 31/3-7/4 1986</p> | <p>D3 6 004/VI-4<br/>Traditional house along one of the river branches in the Danube Delta, 31/3-7/4 1986</p> |
|                                       |    |                    |                          |
| <p>D3 6 005/VI-5<br/>Traditional house along one of the river branches in the Danube Delta, 31/3-7/4 1986</p>            | <p>D3 6 006/VI-6<br/>Fisherman house along of the river branches in the Danube Delta, 31/3-7/4 1986</p>                          | <p>D3 6 007/VI-7<br/>Fisherman house along of the river branches in the Danube Delta, 31/3-7/4 1986</p> | <p>D3 6 008/VI-8<br/>Traditional house along one of the river branches in the Danube Delta, 31/3-7/4 1986</p> |



Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)



















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| <p>D3 6 009/VI-9<br/>Soil dam in the Danube Delta,<br/>31/3-7/4 1986</p>   | <p>D3 6 010/VI-10<br/>View at one of the branches of the<br/>Danube in the Danube Delta,<br/>31/3-7/4 1986</p>               | <p>D3 6 011/VI-11<br/>Pumping station for one of the<br/>polders in the Danube Delta,<br/>31/3-7/4 1986</p>  | <p>D3 6 012/VI-12<br/>Traditional fisherman boats at the<br/>bank of one of the branches of the<br/>Danube in the Danube Delta,<br/>31/3-7/4 1986</p> |
|   |    |   |    |
| <p>D3 6 013/VI-13<br/>Traditional fisherman boat, cows<br/>and houses along one of the<br/>branches of the Danube in the<br/>Danube Delta, 31/3-7/4 1986</p> | <p>D3 6 014/VI-14<br/>Bank protection along one of the<br/>branches of the Danube in the<br/>Danube Delta, 31/3-7/4 1986</p> | <p>D3 6 015/VI-15<br/>Ice storage cellar along one of the<br/>branches of the Danube in the<br/>Danube Delta. Here ice is stored<br/>during the winter to be used in the<br/>summer for cooling of products,<br/>31/3-7/4 1986</p> | <p>D3 6 016/VI-16<br/>Construction of bank protection<br/>along one of the branches of the<br/>Danube in the Danube Delta,<br/>31/3-7/4 1986</p>      |

Table IV. Pictures of polders and lowlands in Romania by Prof. Bart Schultz (continued)

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| <p>D3 6 017/VI-17<br/>Dredger in the Danube Delta,<br/>31/3-7/4 1986</p>            | <p>D3 6 018/VI-18<br/>Damaged bank protection along one<br/>of the branches of the Danube in<br/>the Danube Delta, 31/3-7/4 1986</p> | <p>dia_0278<br/>Mobile pumps for the supply of<br/>irrigation water from the Danube</p>  | <p>dia_0279<br/>Polder in the flood prone area along<br/>the Danube</p>             |
|    |    |   |  |
| <p>dia_0280<br/>Landscape in the Danube Delta<br/>near Tulcea</p>                   | <p>dia_0283<br/>Seepage spots along the dike of the<br/>Pardina Polder in the Danube Delta</p>                                       | <p>dia_0284<br/>Pumping station of the Pardina<br/>Polder in the Danube Delta. The<br/>pumping station can supply water<br/>to the polder and discharge it from<br/>the polder</p> | <p>dia_0285<br/>Landscape in the Pardina Polder</p>                                 |
|  |    |  |   |
| <p>dia_0286<br/>Landscape in the Pardina Polder</p>                                 | <p>dia_0287<br/>Landscape in the Pardina Polder</p>  |  |   |