

„Hol az a táj szab az életnek teret,
Mit az Isten csak jókedvében teremt”

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A KÖTETET SZERKESZTETTE:
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A Néra Minideltája (Minidelta Nerei)

ÖLLERER KINGA ÉS NEGREAN GAVRIL (SZERK.)

- **Sârbu A., Negrean G., Pascale G., Smarandche D., Mihai C. 2007. The Nera mini-delta – botanical contributions. *Acta Horti Botanici Bucurestiensis*, Bucureşti. 34:63-71**

The Nera Mini-delta, formed at the point where the Nera meets the Danube, is one of the youngest land areas in Romania.

It lies in the south-west of Romania (44°50'06"N, 21°21'58"E, alt. 75–82 m), covering a 200 ha area and being part of **Porțile de Fier National Park**. Its limits consist of the Romanian bank of the Danube, the left (silted up) arm of the Nera and the main arm of the Nera, which constitutes the border with Serbia.

It was formed after the accumulation of the Lake Porțile de Fier, by silting up the eastern arm of the Nera and Balta Nerei zone. In time, it advanced about 1 km towards the Danube and reached a width of 2 km.

The area shelters two types of world and European threatened habitats: EUNIS E1 – Xerophilous grasslands, Habitats Directive 2340* Continental dunes and EUNIS C3 – Seacoast vegetation of the continental surface waters, Habitats Directive 3130 Oligotrophic to mesotrophic standing waters with *Littorelletea uniflorae* and/or *Isoëto-Nanojuncetea* vegetation.

Among the herbaceous plants, three are threatened at European level and can be found in the appendices of the Habitats Directive and the Bern Convention: *Lindernia procumbens*, *Salvinia natans* and *Trapa natans*.

Other three taxa can be found on the Red List of Romania (Oltean et al. 1994), with the statute of rare plants: *Cyperus serotinus*, *Fimbristylis bisumbellata* and *Petrorhagia saxifraga*.

Paspalum paspalodes (Michx.) Scribner has an invasive character, being clearly dominant in the vegetation of the zone.

Növénytársulások:

Karácsonyi Károly tanulmányozta ezt a területet (kézirat), főleg a *Paspalum paspalodes* és a helyi flóra által alkotott társulásokra helyezve a hangsúlyt. Egyébként fűz- és most kialakuló égetársulásokot figyelhetünk meg, nádasokat, illetve *Scirpus lacustris* által alkotott társulásokat. A homokdűnék jellegzetes vegetációja még nem alakult ki, az öregebb dűnéken azonban már megfigyelhetőek a *Chrysopogonetum*-társulások. A jelentősebb társulások a következők:

- *Lemnetum minoris* Oberd. ex T. Müller & Görs 1960
- *Lemno-Spirodeletum polyrbizae* Koch 1954
- *Hydrocharietum morsus-ranae* van Langendonck 1935
- *Salvinio-Spirodeletum* Slavnić 1956 – fragmentumok
- *Trapetum natantis* Kárpáti 1963 – fragmentumok
- *Phragmitetum vulgaris* Soó 1927
- *Typhetum angustifoliae* Pignati 1963
- *Glycerietum aquaticae* Huek 1931
- *Frangulo-Salicetum cinerae* Malc. 1929.

Egyébb ritka fajok: *Aster tripolium pannonicus*, *Bassia laniflora*, *Eleocharis acicularis*, *Marrubium peregrinum*, *Petrorhagia saxifraga*, *Polygonum arenarium*, *Typha laxmannii*, *Vitis vinifera silvestris* stb.

Gyomok illetve adventív fajok: *Ailanthus altissima*, *Amaranthus albus*, *A. lividus*, *Amorpha fruticosa*, *Bidens frondosa*, *Conyza canadensis*, *Datura stramonium*, *Echinocystis echinata*, *Erigeron annuus annuus*, *Solidago canadensis*, *Fraxinus latifolia* stb.

Az *Epilobium palustre* faj jelenléte megkérdőjelezhető ezen a területen, valószínűleg az *Epilobium hirsutum*-ról van szó.

Fajlista

<i>Abutilon theophrasti</i>	<i>Amorpha fruticosa</i>	<i>Bromus commutatus</i>	<i>Conyza canadensis</i>
<i>Achillea asplenifolia</i>	<i>Anagallis arvensis</i>	<i>Bromus bord. hordeaceus</i>	<i>Cornus sanguinea australis</i>
<i>Achillea setacea</i>	<i>Angelica sylvestris</i>	<i>Butomus umbellatus</i>	<i>Coronilla varia</i>
<i>Acorus calamus</i>	<i>Anthemis cotula</i>	<i>Calamagrostis epigejos</i>	<i>Crataegus monogyna</i>
<i>Agrimonia eupatoria</i>	<i>Arctium lappa</i>	<i>Caltha palustris</i>	<i>Crepis foetida rhoeadifolia</i>
<i>Agrostis capillaris</i>	<i>Aristolochia clematidis</i>	<i>Calystegia sepium</i>	<i>Cruciata pedemontana</i>
<i>Agrostis sto. stolonifera</i>	<i>Artemisia annua</i>	<i>Capsella bursa-pastoris</i>	<i>Cynanchum acutum</i>
<i>Ailanthus altissima</i>	<i>Artemisia campestris</i>	<i>Carduus acanthoides</i>	<i>Cynodon dactylon</i>
<i>Alisma lanceolatum</i>	<i>Asclepias syriaca</i>	<i>Carex elata</i>	<i>Cynoglossum hungaricum</i>
<i>Alisma plantago-aquatica</i>	<i>Asparagus officinalis</i>	<i>Carex hirta</i>	<i>Cyperus serotinus</i>
<i>Allium oleraceum</i>	<i>Aster tripolium pannonicus</i>	<i>Carex riparia</i>	<i>Datura stramonium</i>
<i>Allium sphaerocephalon</i>	<i>Astragalus cicer</i>	<i>Centaurea biebersteinii</i>	<i>Daucus carota carota</i>
<i>Allium vineale</i>	<i>Atriplex oblongifolia</i>	<i>Centaurea calcitrapa</i>	<i>Dichanthium ischaemum</i>
<i>Alnus glutinosa</i>	<i>Azolla caroliniana</i>	<i>Ceratophyllum demersum</i>	<i>Digitaria ischaemum</i>
<i>Alopecurus geniculatus</i>	<i>Ballota nigra nigra</i>	<i>Chenopodium ambrosioides</i>	<i>Digitaria sanguinalis</i>
<i>Althaea officinalis</i>	<i>Bassia laniflora</i>	<i>Chenopodium strictum</i>	<i>Dipsacus laciniatus</i>
<i>Amaranthus albus</i>	<i>Berteroa incana incana</i>	<i>Chondrilla juncea</i>	<i>Echinochloa crus-gallii</i>
<i>Amaranthus lividus</i>	<i>Bidens tripartita</i>	<i>Cichorium intybus</i>	<i>Echinocystis lobata</i>
<i>Amaranthus powelii</i>	<i>Bidens frondosa</i>	<i>Cirsium arvense</i>	<i>Echium italicum</i>
<i>Amaranthus retroflexus</i>	<i>Brachypodium sylvaticum</i>	<i>Cirsium vulgare</i>	<i>Eleagnus angustifolia</i>
<i>Ambrosia artemisiifolia</i>	<i>Bromus arvensis</i>	<i>Convolvulus arvensis</i>	<i>Eleocharis acicularis</i>

Eleocharis palustris s.l.
Eleocharis uniglumis
Elodea canadensis,
Elymus repens s.l.
Equisetum arvense
Equisetum palustre
Equisetum ramosissimum
Eryngium campestre
Euphorbia cyparissias
Euphorbia esula orientalis
Festuca pratensis
Festuca valesiaca
Filipendula vulgaris
Fimbristylis bisumbellata
Frangula alnus
Fraxinus latifolia
Lolium perenne
Galega officinalis
Galeopsis tetrabit
Galium album s.l.
Galium palustre
Glyceria maxima
Gratiola officinalis
Helianthus annuus
Heliotropium europaeum
Hibiscum trionum
Hordeum murinum
Humulus lupulus
Hydrocharis morsus-ranae
Inula britannica
Iris pseudacorus
Juncus compressus
Juncus inflexus
Knautia arvensis
Lactuca serriola
Lathyrus tuberosus
Leersia oryzoides
Lemna minor
Lindernia procumbens
Linaria vulgaris
Lolium perenne
Lotus orniculatus

Lycopus europaeus
Lysimachia nummularia
Lysimachia vulgaris
Lythrum salicaria
Marrubium peregrinum
Medicago sativa falcata
Mentha aquatica
Mentha pulegium
Morus alba
Myriophyllum spicatum
Myosoton aquaticum
Nymphaoides peltata
Odontites verna serotina
Oenanthe aquatica
Oenothera biennis
Orchis laxiflora elegans
Orlaya grandiflora
Papaver rhoeas
Parthenocissus inserta
Paspalum paspalodes
Petrorhagia prolifera
Petrorhagia saxifraga
Phalaris arundinacea
Phragmites australis
Phytolacca americana
Picris hieracioides
Plantago arenaria
Plantago lanceolata
Plantago major s.l.
Polygonum amphibium
Polygonum arenarium
arenarium
Polygonum aviculare
Polygonum hydropiper
Polygonum lapathifolium
Polygonum patulum
Populus alba
Populus canescens
Populus nigra
Portulaca oleracea oleracea
Potamogeton natans
Potamogeton nodosus

Potamogeton pectinatus
Potentilla anserina
Potentilla argentea
Potentilla reptans
Potentilla stipina
Prunus armeniaca
Prunus cerasifera
Prunus spinosa
Pulicaria dysenterica
Pulicaria vulgaris
Ranunculus foeniculaceus
Ranunculus repens
Ranunculus sceleratus
Rhamnus cathartica
Robinia pseudacacia
Rorippa amphibia
Rorippa sylvestris
Rosa nitidula
Rosa subcanina
Rubus caesius
Rumex acetosa
Rumex crispus
Rumex hydrolapathum
Sagittaria sagittifolia
Salix alba s.l.
Salix fragilis
Salix purpurea purpurea
Salix triandra
Salvia nemorosa nemorosa
Salvia verticillata
Salvinia natans
Sambucus ebulus
Sambucus nigra
Saponaria officinalis
Scabiosa ochroleuca
Schoenus nigricans
Scirpus lacustris
Scirpus maritimus
Scirpus sylvaticus
Scutellaria galericulata
Scutellaria bastifolia
Setaria pumila

Setaria viridis
Silene latifolia alba
Sisymbrium officinale
Sium sisaroides
Sonchum dulcamara
Solanum nigrum
Solidago canadensis
Solidago virgaurea
Sonchus arvensis arvensis
Sonchus oleraceus
Sorghum halepense
Sparganium erectum
Spirodela polyrhiza
Stachys palustris
Stellaria media s.l.
Symphytum officinale
Tanacetum vulgare
Taraxacum officinale
Thalictrum lucidum
Thlaspi arvense,
Thymus glabrescens
Torilis arvensis
Tragopogon orientalis
Trapa natans,
Trifolium fragiferum
Trifolium hybridum elegans
Tussilago farfara
Typha angustifolia
Typha latifolia
Typha laxmannii
Ulmus glabra
Urtica dioica
Verbascum phlomalides
Verbena officinalis
Vicia sativa nigra
Vitis vinifera silvestris
Xanthium italicum
Xanthium spinosum
Xeranthem annuum

