

Information Sheet on Ramsar Wetlands

Categories approved by Recommendation 4.7 of the Conference of the Contracting Parties.

NOTE: It is important that you read the accompanying *Explanatory Note and Guidelines* document before completing this form.

1. Date this sheet was completed/updated:

Completed: 29. 08. 1995, updated: 23. 11. 1998.

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Designation date

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Site Reference Number

2. Country: Hungary

3. Name of wetland: Middle Part of Kisköre Reservoir (Poroszló-basin)

4. Geographical coordinates: 47° 36' N , 20° 47' E

5. Altitude: (average and/or max. & min.)
87-89 ms ASL

6. Area: (in hectares) 3648 ha

7. Overview: (general summary, in two or three sentences, of the wetland's principal characteristics)

The site is part of a large reservoir created on the former floodplain of River Tisza, filled up with the early spring floods of the river and drained before freeze. In winter the reservoir is standing dry. The original gallery forests were cut during the reservoir was created, but some smaller patches of willow-poplar forests still can be found. The mudflats covered by shallow water is very rich food resource for migrating waders and other birds in spring.

8. Wetland Type (please circle the applicable codes for wetland types as listed in Annex I of the *Explanatory Note and Guidelines* document.)

marine-coastal: A . B . C . D . E . F . G . H . I . J . K

inland: L . M . N . O . P . Q . R . Sp . Ss . Tp . Ts
. U . Va . Vt . W . Xf . Xp . Y . Zg . Zk

man-made: 1 . 2 . 3 . 4 . 5 . 6 . 7 . 8 . 9

Please now rank these wetland types by listing them from the most to the least dominant: 6 (water resevoir)

9. Ramsar Criteria: (please circle the applicable criteria; see point 12, next page.)

1a . 1b . 1c . 1d | 2a . 2b . 2c . 2d | 3a . 3b . 3c | 4a . 4b

Please specify the most significant criterion applicable to the site: 2b, 3a, 3b

10. Map of site included? Please tick *yes* -or- *no*

(Please refer to the *Explanatory Note and Guidelines* document for information regarding desirable map traits).

11. Name and address of the compiler of this form:

Szilvia Góri, Hortobágy National Park Directorate

4024 Debrecen, Sumen u. 2.

Tel.: +36 52 349 922, fax: +36 52 410 645, e-mail: hnp@hnp.datanet.hu

Please provide additional information on each of the following categories by attaching extra pages (please limit extra pages to no more than 10):

12. Justification of the criteria selected under point 9, on previous page. (Please refer to Annex II in the *Explanatory Note and Guidelines* document).

2b: It has preserved the flora and fauna of floodplains and oxbow lakes of River Tisza. See point 17 and 18.

3a: 80-100 000 birds used to stay at the same time on the reservoir in spring migration, but according to our calculations the total mass of birds using the reservoir in spring exceeds million.

3b: Geese, Ducks, Herons, Terns.

13. General location: (include the nearest large town and its administrative region)

County of Jász-Nagykun-Szolnok, 5 km West from Tiszafüred town

14. Physical features: (e.g. geology, geomorphology; origins - natural or artificial; hydrology; soil type; water quality; water depth, water permanence; fluctuations in water level; tidal variations; catchment area; downstream area; climate)

The area is a floodplain of the Tisza River, covered by alluvial deposit. The reservoir is supplied with water from the Tisza River. The average water depth is between 1 and 1.20 m. Climate: continental semi-arid, semi-humid forest steppe climate. Average annual precipitation is 550 mms, the mean annual temperature is about 10 °C.

15. Hydrological values: (groundwater recharge, flood control, sediment trapping, shoreline stabilisation etc.)

Water storage. Also has significant effect regarding the watertable. Has some role in flood-control. Power production at the southern end of the reservoir.

16. Ecological features: (main habitats and vegetation types)

Hairweeds (*Potametalia*), communities of White Water Lily and Floating Heart (*Nymphaetum alboluteae*, *Nymphoidetum peltatae*), Reed-Bulrush communities (*Scirpo-Phragmitetum*, *Typhetum angustifoliae*), water surfaces covered by dense Water Chestnut (*Trapa natans*), gallery forests of soft-wood and hardwood type (*Salicetum albae-fragilis*, *Fraxino pannonicarum-Ulmetum*).

17. Noteworthy flora: (indicating, e.g., which species/communities are unique, rare, endangered or biogeographically important, etc)

Dense Water-Chestnut (*Trapa natans*) communities, White Water Lily (*Nymphaea alba*), Floating Heart (*Nymphoides peltata*). Reed (*Phragmites communis*) - Broadleaved Bulrush (*Typha angustifolia*) - *Schoenoplectus lacustris* mosaic stands. *Butomus umbellatus*, *Sagittaria sagittifolia*, *Iris pseudacorus*.

18. Noteworthy fauna: (indicating, e.g., which species are unique, rare, endangered, abundant or biogeographically important; include count data, etc.)

Nesting species: Little Grebe (*Podiceps ruficollis*) 30 pairs, Black-necked Grebe (*Podiceps nigricollis*) 5 pairs, Great Crested Grebe (*Podiceps cristatus*) 10 pairs, Red-necked Grebe (*Podiceps griseigena*) 20 pairs, Purple Heron (*Ardea purpurea*) 30 pairs, Great White Egret (*Egretta alba*) 30 pairs, Little Bittern (*Ixobrychus minutus*) 25 pairs, Bittern (*Botaurus stellaris*) 10 pairs, Greylag Goose (*Anser anser*) 8-10 pairs, Ferruginous Duck (*Aythya nyroca*) 10 pairs, Black Kite (*Milvus migrans*) 2 pairs, Saker (*Falco*

cherrug) 1 pair, Hobby (*Falco subbuteo*) 5 pairs, Little Crake (*Porzana parva*) 10 pairs, Whiskered Tern (*Chlidonias hybrida*) 40 pairs, Black Tern (*Chlidonias niger*). Osprey (*Pandion haliaeetus*) built nest this year but did not breed, but some 3-4 regularly occurs on the area.

Important site for waterfowl migration (Geese, Ducks, in spring waders), especially remarkable the occurrence of the Lesser White-fronted Goose (*Anser erythropus*), 20-30 individuals. During migration Divers also appear.

19. Social and cultural values: (e.g. fisheries production, forestry, religious importance, archaeological site etc.)

Fisheries production, angling.

20. Land tenure/ownership of:

(a) site The Hungarian State (Water Management Authority)

(b) surrounding area Cooperative Farms, private owners, municipalities

21. Current land use:

(a) site Water reservoir

(b) surroundings/catchment Partly reservoir, plough-lands, settlement

22. Factors (past, present or potential) adversely affecting the site's ecological character, including changes in land use and development projects:

(a) at the site The stabilization of its wildlife is hindered by the significant fluctuation in water level deriving from the functioning of the reservoir: the winter drainage and the summer take off for irrigation.

(b) around the site Water pollution coming from the Tisza River can be a source of danger. Refuse water of Eger town running into the upper reach of the reservoir results in deterioration of the water quality.

23. Conservation measures taken: (national category and legal status of protected areas - including any boundary changes which have been made: management practices; whether an officially approved management plan exists and whether it has been implemented)

Since 1996 the area is protected site (extension of the Tiszafüred Bird Reserve) as part of the Hortobágy National Park, also Ramsar Site. The area is managed according to the management plan of the national park prepared in 1998.

24. Conservation measures proposed but not yet implemented: (e.g. management plan in preparation; officially proposed as a protected area etc.)

Recently hunting for wildfowl is allowed on this area. It is planned to permit it from 2003.

25. Current scientific research and facilities: (e.g. details of current projects; existence of field station etc.)

Hydrological, hydrobiological researches (Middle-Tisza Water Management Authority, Szolnok). Fish-faunistic researches (Research Institute for Pisciculture, Szarvas). Botanical researches, the twenty years long lasting monitoring of the Tisza Research Committee (JATE University, Ecological Dep., Juhász Gy. Teachers' College, Szeged). Survey of basic ecological status (HNP).

26. Current conservation education: (e.g. visitors centre, hides, information booklet, facilities for school visits etc.)

There is no use in this sense.

27. Current recreation and tourism: (state if wetland is used for recreation/tourism; indicate type and frequency/intensity)

The reservoir is a significant recreational zone in summer period, some ten thousands of people are visiting the southern part of the reservoir. Main activities: angling, canoeing tours, jetskie. The surrounding unprotected parts suffer pressure from tourism. On the protected area some ecotourism development is possible, except for the most valuable and sensitive parts. On the sensitive parts temporary restriction of entrance is necessary.

28. Jurisdiction: (territorial e.g. state/region and functional e.g. Dept of Agriculture/Dept. of Environment etc.)

The Middle-Tisza Water Management Authority is the authority of first instance. The Authority is supervised by the Ministry of Transport, Communication and Water Management. Concerning nature conservation issues the directorate is the first instant authority of Ministry for Environment .

29. Management authority: (name and address of local body directly responsible for managing the wetland)

Middle-Tisza Water Management Authority. H-5000 Szolnok, Vízmű út 1.

Hortobágy National Park Directorate. H-4024 Debrecen Sumen u.2.

30. Bibliographical references: (scientific/technical only)

At HNP Directorate a lot.

Please return to: **Ramsar Convention Bureau, Rue Mauverney 28, CH-1196 GLAND, Switzerland**

Telephone: +41 22 999 0170 • Fax: +41 22 999 0169 • e-mail: ramsar@hq.iucn.org