

The beginning of helophytes applications in bioengineering in Europe

Oder Spree Kanal 1998-2008

Position 13°22' 37,77" W; 52°30' 57,48" S

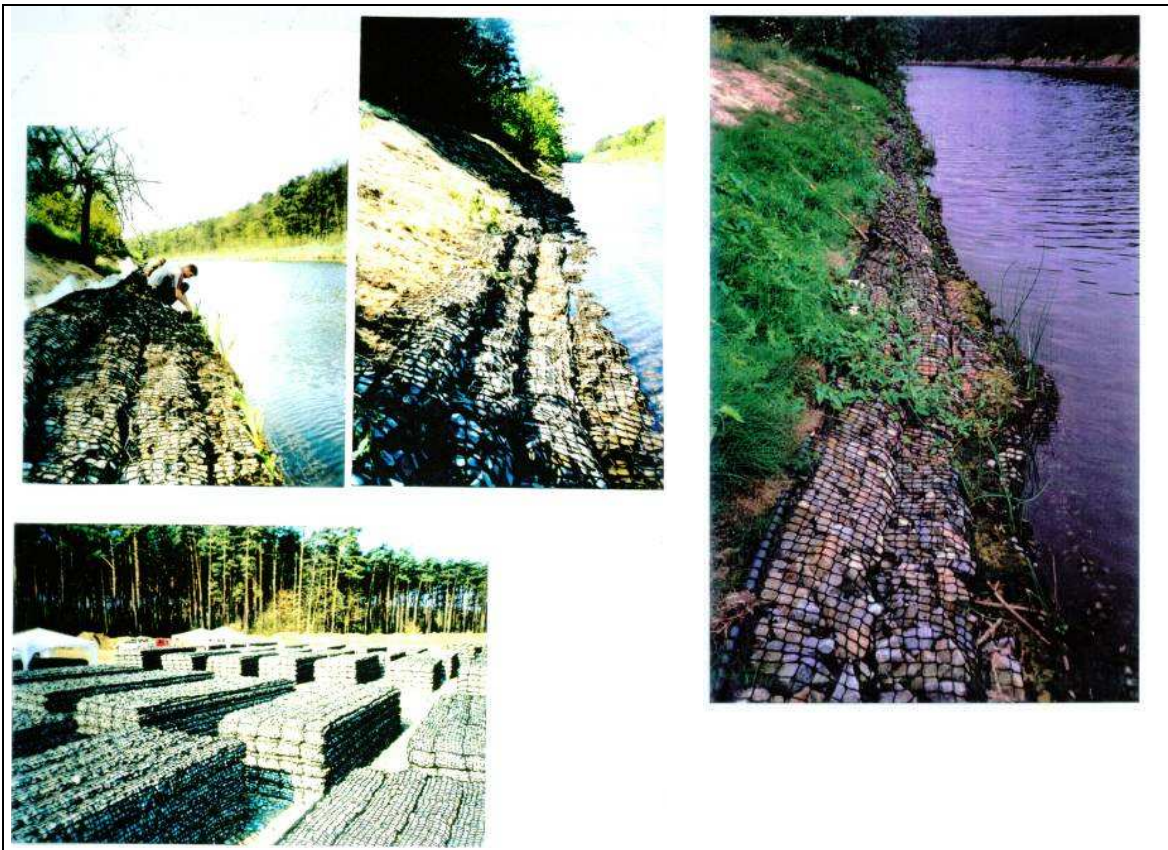
Oder Spree channel connects Berlin about the Seddinsee in the southeast of Berlin with Eisenhüttenstadt to him Or. The moderately driven channel has lost with the reunification of Germany in importance (meaning).

Objectives

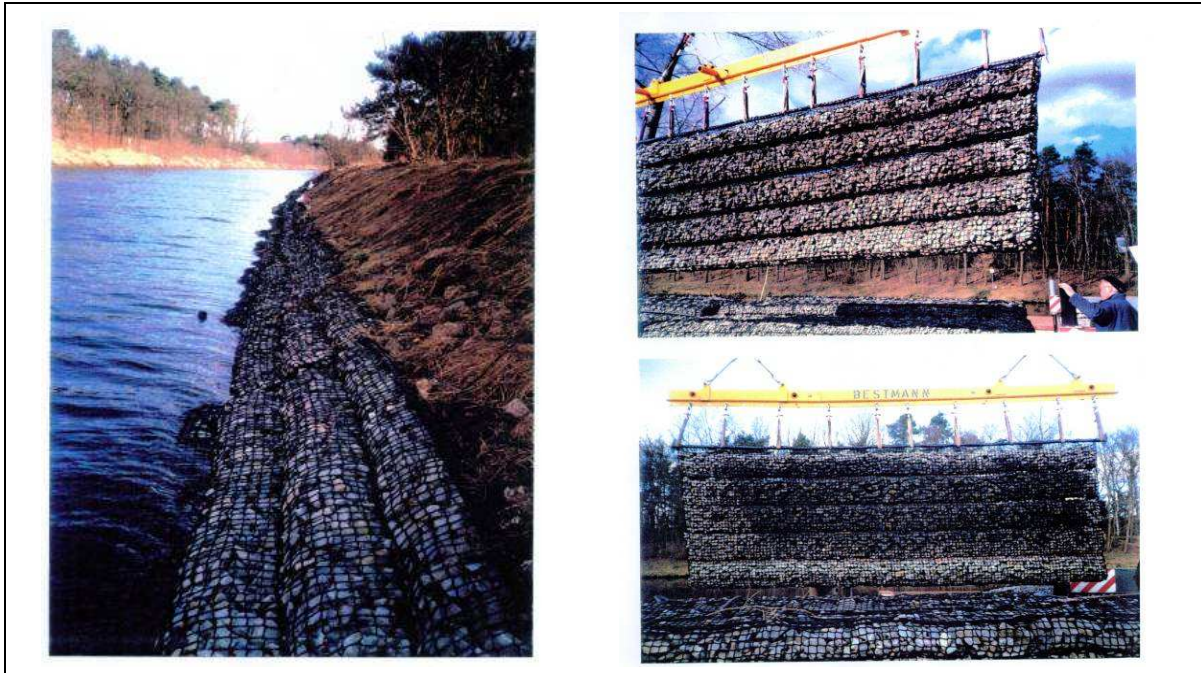
The channel embankments in the section Spreenhagen are hollowed out in the course of the years by breaking of waves, are packed and are eroded. To the reorganization of the banks one decided, on suggestion of Bestmann, on the use (application) of the chamber deck work system. The existing concrete paving slabs were removed the eroded embankments with ground (bottom) were filled up and covered with a geotextile. The transfer of the chamber corner work took place here. The old submerse post row was maintained and where replaces inevitably with other prop up. Bank repair km 58.86 - 59.86. s. Picture 1.2.

CONDITIONS BEFORE TREATMENT

1998



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Result of the reorganization:

The chamber deck work has fully fulfilled its tasks. Tests of the underwater embankments in 2007 by diver have proved no unterflushings of the chamber deck work or other abnormalities. Possible settlements can be intercepted by the high flexibility of the system problem-free.

Critical consideration

From lack of money the additional plantation of the chamber corner work remained undone. Therefore a ruderal flora with only few location-fair plants of the reeds zone developed itself. The invasive propagation of false acacias needs constant care. Altogether a simple very effective reorganization of erosion-endangered embankments with light to middle demand.

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CONDITIONS IN 2008

10 YEARS AFTER



