

ROCK MATTRESSES - PLÖN

The outlet of the Big Lake near Plön is shaped as a ramp over a width of approx. 50 m passing a vertical difference of 2 m in height. To reinforce the spillway and to blend it into the environment rock mattresses have been applied in areas of high flowing speeds, while riprap covers slope sections exposed to temporary overflow.



The rock mattresses have been installed on a filter cloth in summer 2006.



Due to frequent floodwater discharges the spillway has been exposed to permanent overflow in summer 2007.



Rock mattresses have been applied to reinforce the spillway.



Less frequently overflowed boundaries of the spillway have been covered with coir mesh to improve conditions for sedimentation and to enhance spontaneous cover with greenery.