

### Protective Hydroengineering Facilities for the Danube – Black Sea Navigation Channel

Route section and facility	Length of structure, m		Environmental function
	Phase 1	Full-scale (tentative)	
<b>Vilkovo – Sea</b>			
Flow-Guide Dam	–	350	Regulating the flow of water and sediments into the Bystre Branch, preventing bank degradation and channel silting, reducing the requirement for dredging
Bank strengthening (sections 1–4)	–	2107	Preventing bank erosion in the Starostambulsky and Bystre Branches
In the Bystre branch (sections 3–4)		1662	Preventing bank erosion in the Bystre Branch
<b>Sandbar section</b>			
Retaining dam	1040	2830	Reducing the sedimentation in the seaward access channel and requirement for dredging during operation, minimizing the impact of waves on the Ptichiya Spit