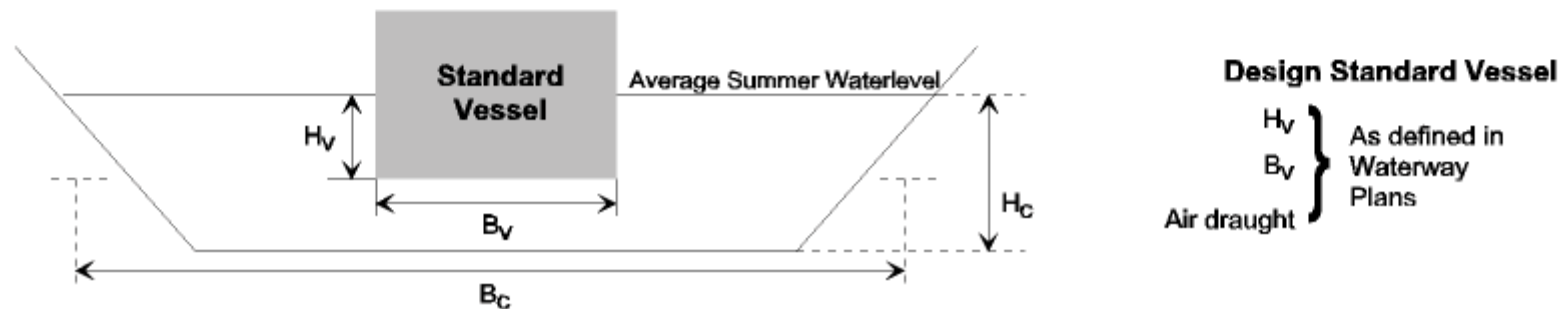


APPENDIX 11.1
(referred to in paragraph 11.3)

Navigation Standards—Operation and Maintenance

Component	Standards		
Channel	1	2	3
a) General	<p>All canals were originally constructed to varying dimensions and profiles. This makes it almost impossible to standardise on a cross sectional profile for canals across the network. As a general objective the target should be a minimum depth of 900mm (3ft) on cruising waterways allowing two way passage. Dredging should be carried out to at least 1.35m (4'6") if original construction and local circumstances allow. Given below is a set of theoretical and stylised parameters for deriving a suitable profile for a length of canal. The environmental impact of any dredging should be considered when deriving a profile and where possible environmental improvement should be sought.</p>		
b) Depth	<p>Dredging carried out to ensure canal is depth of original construction less 4 inches or $H_c/H_v > 1.3$, whichever is lesser.</p>	<p>Dredging carried out to ensure canal is depth of original construction less 12 inches or $H_c/H_v > 1.2$, whichever is lesser.</p>	<p>Dredging carried out to ensure $H_c/H_v > 1.0$.</p>



Component	Standards		
Channel cont'd			
c) Width	Bc/Bv > 3.5.	Bc/Bv > 2.5.	Bc/Bv > 2.0 generally, although there may be lengths where passing places have to be maintained.
d) Air Draught	Air draught as published locally.	Air draught as published locally.	Air draught as published locally.
e) Water Supply	Sufficient water supply to limit closures to 1 in 20 years (except in river navigations in times of flood/drought). Where restrictions on lock useage are imposed to conserve water allowances for some boat passages will be made everyday. Waiting limited to a maximum of 24 hours.	Sufficient water supply to limit closures to 1 in 10 years (except in river navigations in times of flood/drought). Where restrictions on lock useage are imposed to conserve water allowances for some boat passages will be made everyday. Waiting limited to a maximum of 24 hours.	Sufficient water supply to limit closures to 1 in 5 years (except in river navigations in times of flood/drought). Where restrictions on lock useage are imposed to conserve water allowances for some boat passages will be made everyday. Waiting limited to a maximum of 24 hours.
f) Water Levels	Standard operating levels for all navigations will be set.		

Source: BWB.