

Condition	Stability Factor Range
Uniform flow; straight or mildly curving reach (curve radius/channel width $> 30$ ); impact from wave action and floating debris is minimal; little or no uncertainty in design parameters.	1.0 - 1.2
Gradually varying flow; moderate bend curvature ( $30 > \text{curve radius/channel width}$ $> 10$ ); impact from waves or floating debris moderate.	1.21 - 1.6
Approaching rapidly varying flow; sharp bend curvature ( $10 > \text{curve radius/channel width}$ ); significant impact potential from floating debris and/or ice; significant boat-generated waves (0.3 - 0.6 m); high flow turbulence; turbulently mixing flow at bridge abutments; significant uncertainty in design parameters.	1.61 - 2.0

### **GUIDELINES FOR THE SELECTION OF STABILITY FACTORS**

**Figure 38-6F**