

**Appendix D**  
**Notation**

<i>A</i>	Cross-section area	<i>R</i>	Hydraulic radius
<i>b</i>	Mean width	<i>s</i>	Dry relative density of sediment
<i>C</i>	Sediment concentration	<i>S</i>	Slope; hydraulic slope
<i>d</i>	Depth of flow	<i>V</i>	Mean velocity
<i>D</i>	Grain size	<i>V*</i>	Shear velocity defined as $\sqrt{\tau_0/\rho}$
<i>D</i> <sub>50</sub>	Median sediment size	<i>W</i>	Width
<i>g</i>	Gravitational acceleration	0	Superscript indicating no change
<i>k</i>	Grain roughness	+	Superscript indicating an increase
<i>L</i>	Channel length between inflection points	$\gamma$	Specific weight of water
<i>n</i>	Manning's roughness	$\gamma_s'$	submerged specific weight of sediment
<i>P</i>	Wetted perimeter	<i>v</i>	Kinematic viscosity
<i>Q</i>	Discharge	$\rho$	Fluid density
<i>Q</i> <sub>s</sub>	Bed material discharge	$\tau_0$	Average boundary shear stress in uniform flow