



International Erosion Control Systems Inc.

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Engineering Design Analysis: Open Channel or Flow Applications

Date:	
Project Name:	
Project Location:	
Engineer:	

Maximum Expected Flow (cms)	
Maximum Expected Velocity (mps)	
Channel Bed Slope (%)	
Channel Side Slope (Ratio)	
Type of Flow (normal, overtopping, sub critical, hydraulic, jump, impinging, bridge/culvert, undulating trans critical)	
Bed Width (m) bottom	
Alignment (straight, moderate, severe, extreme)	
Radius at the Crest (m)	
Channel/Chute Length (m.)	
Channel Depth (m)	
Top Width of Channel (m)	
Outlet Source (river, manhole, etc.)	
Soil Type and Related Conditions	