Completing this questionnaire will help Waterman understand your needs for a Tilting Weir gate.

Dimensions
How wide is the channel being controlled? ________________
How tall does the gate need to be? ______________________

Mounting and Operating Requirements
Is this new construction or an existing site? ________________

Are the side sills going to be embedded or surface mounted? ______________________________________________________

Is the invert / piano hinge mount going to be on a raised portion of the structure, a raised fabricated component or will a cavity be provided for the fully open gate to recess into the floor of the structure? ___________________________________________________________________

What is the gate angle above horizontal that shall be considered the fully raised / fully closed position for the gate? (typical is between 60 and 70 degrees) ____________________________

Are vacuum break vents to modify back draft when raising the gate required? ___________________________________________________________________

Are there any potential obstructions in the gate travel path? ___________________________________________________________________

Material
Should the gate be made from mild steel or passivated stainless steel? ____________________________________________

Cover deflection desired? (standard is 1/360 of width span) _____________________________________________________

Hoist and Operator
What location is required / available for the hoist mechanism relative to the gate hinge point both horizontally and vertically? ____________________________________________________________

Should the wire ropes for gate operation be placed outside of the main water flow to protect fish? (these can be placed behind the sills) ___________________________________________________________________

Will the hoist mechanism be operated manually, electrically or by portable operator? ________________________________

If motor-driven, what voltage and phase available (3 phase best for large gates)? _________________________________

Preferred brand of operator? ____________________________________________________________________________

Closing speed requirement / allowance? ___________________________________________________________________

Does the hoist mechanism need to be installed remotely (non-standard location)? ________________________________

Is a DC / solar operator required due to a rural location? ___________________________________________________________________