

Supplementary Material

# Experimental Study on the Inlet Discharge Capacity under Different Clogging Conditions

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**Table S1.** Experimental conditions and results under different clogging conditions.

No clogging	Incoming water depth (m)	0.01867	0.03400	0.04600	0.05000	0.05267	0.07000	0.09100	0.10133	0.10633	0.10700
	Upstream discharge (m <sup>3</sup> /s)	0.00427	0.00682	0.00943	0.01062	0.01157	0.01289	0.01353	0.01743	0.01548	0.02045
	Downstream discharge (m <sup>3</sup> /s)	0.00423	0.00701	0.00936	0.01061	0.01161	0.01292	0.01360	0.01399	0.01410	0.01419
Clogging quarter	Incoming water depth (m)	0.02833	0.03833	0.05	0.055	0.065	0.095	0.10233	0.106	0.10833	0.111
	Upstream discharge (m <sup>3</sup> /s)	0.00519	0.00747	0.00998	0.01095	0.01229	0.0137	0.0152	0.0145	0.02024	0.01929
	Downstream discharge (m <sup>3</sup> /s)	0.00522	0.00734	0.00997	0.01086	0.01233	0.0131	0.01327	0.01338	0.01349	0.01358
Clogging right-half	Incoming water depth (m)	0.02933	0.04167	0.05367	0.063	0.075	0.092	0.105	0.10767	0.11667	0.12
	Upstream discharge (m <sup>3</sup> /s)	0.00426	0.00683	0.00943	0.0106	0.01158	0.0137	0.0152	0.01676	0.01812	0.02243
	Downstream discharge (m <sup>3</sup> /s)	0.0042	0.00677	0.00927	0.01051	0.01141	0.01224	0.01239	0.01241	0.01262	0.01284
Clogging away-half	Incoming water depth (m)	0.03	0.04167	0.058	0.07167	0.09	0.103	0.11233	0.115	0.12667	0.132
	Upstream discharge (m <sup>3</sup> /s)	0.00427	0.00682	0.00997	0.01099	0.01133	0.01386	0.01192	0.01521	0.01929	0.02241
	Downstream discharge (m <sup>3</sup> /s)	0.00419	0.00663	0.0101	0.01079	0.01161	0.01167	0.01175	0.01183	0.0122	0.01224