

Article

Effects of In-Channel Structure on Chinook Salmon Spawning Habitat and Embryo Production

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Supplementary Materials

Table S1. Correlation matrix among independent variables measured for Chinook salmon embryo survival, hatching rate, and growth at sites containing and lacking in-channel structure on the lower Mokelumne River. Variable abbreviations are as follows: COND = conductivity, DO = dissolved oxygen, SWD = surface water depth; SWV-A = surface water velocity (all); SWV-H = surface water velocity (horizontal); SWV-V = surface water velocity (vertical); VHGD = vertical hydraulic gradient (directional measurements); VHGM = vertical hydraulic gradient (magnitude); ATEMP = average daily temperature.

Variable	DO	COND	pH	VHG-D	VHG-M	ATEMP	SWV-H	SWV-V	SWV-A
COND	−0.614								
pH	0.378	−0.046							
VHG-D	−0.199	0.147	0.142						
VHG-M	−0.168	0.001	−0.127	−0.034					
ATEMP	0.092	0.120	0.239	−0.136	−0.261				
SWV-H	0.295	−0.108	0.175	0.079	−0.002	−0.113			
SWV-V	−0.249	0.108	−0.345	0.107	0.128	−0.123	−0.651		
SWV-A	0.305	−0.131	0.181	0.109	−0.021	−0.098	0.987	−0.662	
SWD	0.068	0.012	0.097	−0.227	−0.057	−0.124	−0.020	−0.049	0.015