Table 2. Covariate composition of Candidate Models constructed but not used for Multi-state Occupancy models or not occupied, occupied, and occupied and abundant. Covariates used in each parameter (Survival, Detection, and Movement) were noted with an X for each model it was included in.

		Candidate Models											
Survival Covariates	1	2	3	4	5	6	7	8	9	10	11	12	
STN Fork Length	Х	Х											
Competitors						Х	Х		Х				
Delta Outflow										Х			
Net Flow (?)	Х	Х											
OMR				Х						Х			
Predator Intensity						Х	Х						
Prey	Х	Х		Х	Х	Х	Х	Х	Χ		Х	Х	
Region				Х	Х	Х	Х					Х	
Salinity			Х					Х					
Water Clarity			Х		Х			Х	Χ				
Temperature	Х	Х						Х	Х	Х			
X2												Х	

Detection Covariates												
Fork Length	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		
Previous FMWT Index						Х	Х					
STN Index	Х	Х										
Sample Volume			Х	Х	Х			X	Х	Х	Х	Х
Station Depth	Х	Х				Х	Х					
Tidal Stage			Х	Х	Х			Х	Х	Х	Х	Х
Time of Day											Х	Х
Water Clarity	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х

Movement Covariates							
Distance to Shoal/Channel				Χ			
Distance to Wetland				Χ			
Exports							Х

First Flush				Х					Х	Х		
Julian Day (Dec)					Х							
Month						Х						
Net Flow	Х											
OMR				Х						Х		
Previous Location						Х	Х					
Prey									Х			
Prey x Secchi*						Х	Х					
Salinity			Х			Х		Х	Х		Х	
Water Clarity	Х	X		Х							Х	Х
Temperature		X									Х	
Tidal velocity			Х							Х		Х
X2				X						Х		

<sup>\*/</sup> Interaction Covariate