Supplementary Table 2. Closed capture models used to estimate abundance of juvenile Gulf sturgeon (*Acipenser oxyrinchus desotoi*) in the Apalachicola River, in Florida, during 2013–2018. Models are described according to how they address capture and recapture probabilities—allowing it to remain constant or vary by time (*t*), fish age (*a*), or combinations and interactions of those variables. For each model, we present Akaike information criterion corrected for small sample size (AIC_c) and change in AIC_c (ΔAIC_c) values, weights (W_i), and parameter counts (*K*). Although we ran 5 models for each year, only those with non-zero weights are shown.

Year	Model	AIC_c	ΔAIC_c	W_i	K
2013	M_{t+a}	361.49	0.00	0.86	7
	M_t	365.64	4.15	0.10	5
	M_{t*a}	367.84	6.35	0.04	15
2014	M_{t+a}	2299.53	0.00	0.93	10
	M_t	2304.75	5.23	0.07	8
2015	M_{t*a}	1457.63	0.00	0.95	27
	M_{t+a}	1463.89	6.26	0.04	11
	M_t	1466.37	8.74	0.01	9
2016	M_{t*a}	1874.95	0.00	0.97	30
	M_{t+a}	1882.18	7.23	0.03	12
2017	M_{t+a}	695.73	0.00	0.99	10
	M_{t*a}	704.55	8.82	0.01	24
2018	M_{t+a}	793.71	0.00	0.99	13
	M_{t*a}	805.01	11.30	0.01	33