

Appendix D. Model ranking of detection probability ( $p$ ) models for wood frogs within Cormack-Jolly-Seber mark-recapture models. For all models, survival ( $\phi$ ) is time dependent but not affected by additional parameters.  $p$  does not vary with capture occasion. The habitat parameter differentiates between forested and early successional forest.

<b>Model</b>	<b><math>\Delta AIC_c</math></b>	<b><math>AIC_c</math> wt</b>	<b>Parameters</b>	<b>Deviance</b>
$\phi(t) p(\cdot)$	0	0.26	3	278.07
$\phi(t) p(SVL)$	0.31	0.23	4	276.34
$\phi(t) p(Habitat)$	1.24	0.14	4	277.26
$\phi(t) p(density)$	1.94	0.10	4	277.96
$\phi(t) p(SVL, density)$	2.25	0.09	5	276.22
$\phi(t) p(Habitat, SVL)$	2.36	0.08	5	276.33
$\phi(t) p(Habitat, density)$	2.62	0.07	5	276.59
$\phi(t) p(Habitat, SVL, density)$	4.32	0.03	6	276.222