

S Gilbert *et al.* – Supporting Information

WebTable 1. Equations used to calculate the direct marginal disservices (*MC*) and services (*MB*) of predators (*P*) and prey (*V*), where *K* is the prey nutritional carrying capacity, and *a* is the ratio of predators per prey at equilibrium

MV type	Constant	Linear	Exponential
MB prey	$MB_{max}(V)$	$MB_{max}(V) * \left(1 - \frac{V}{K}\right)$	$MB_{max}(V) * \exp\left(\ln\left(\frac{MB_{min}(V)}{MB_{max}(V)}\right) * \frac{V}{K}\right)$
MC prey	$MC_{max}(V)$	$MC_{max}(V) * \left(\frac{V}{K}\right)$	$MC_{min}(V) * \exp\left(\ln\left(\frac{MC_{max}(V)}{MC_{min}(V)}\right) * \frac{V}{K}\right)$
MB predators	$MB_{max}(P)$	$MB_{max}(P) * \left(1 - \frac{P}{(a * V)}\right)$	$MB_{max}(P) * \exp\left(\ln\left(\frac{MB_{min}(P)}{MB_{max}(P)}\right) * \frac{P}{(a * V)}\right)$
MC predators	$MC_{max}(P)$	$MC_{max}(P) * \left(\frac{P}{(a * V)}\right)$	$MC_{min}(P) * \exp\left(\ln\left(\frac{MC_{max}(P)}{MC_{min}(P)}\right) * \frac{P}{(a * V)}\right)$

Notes: MV = marginal value. For indirect disservices and services, please see WebPanel 1.