Spatial asynchrony

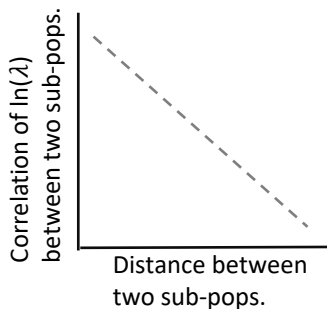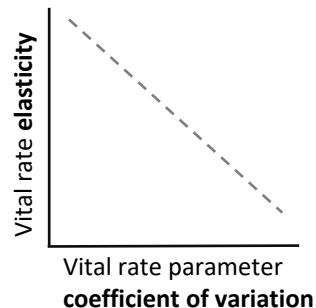Correlation of ln(λ) between two sub-pops.

Distance between two sub-pops.

Fine-scale source-sink dynamics

No direct evidence without geneflow or dispersal data, but variation in ln(λ) across space (as tested in "Spatial Asynchrony") is a necessary pre-requisite.

Vital rate buffering

Vital rate **elasticity**

Vital rate parameter **coefficient of variation**

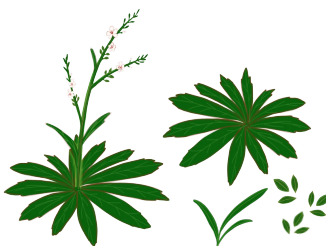Long-term persistence of *O. coloradensis* populations

Demographic compensation

Correlation Matrix of environmental covariate effect sizes in different vital rate models

	Growth model	Surv. model	Repro. model
Growth model	1	< 0* (P<0.05)	< 0* (P<0.05)
Surv. model		1	< 0* (P<0.05)
Repro. model			1

* At least one significant negative correlation

Negative density dependence

ln(λ) in year *t*

Pop. size in year *t*-1