

Streams without Biology

Janine Castro



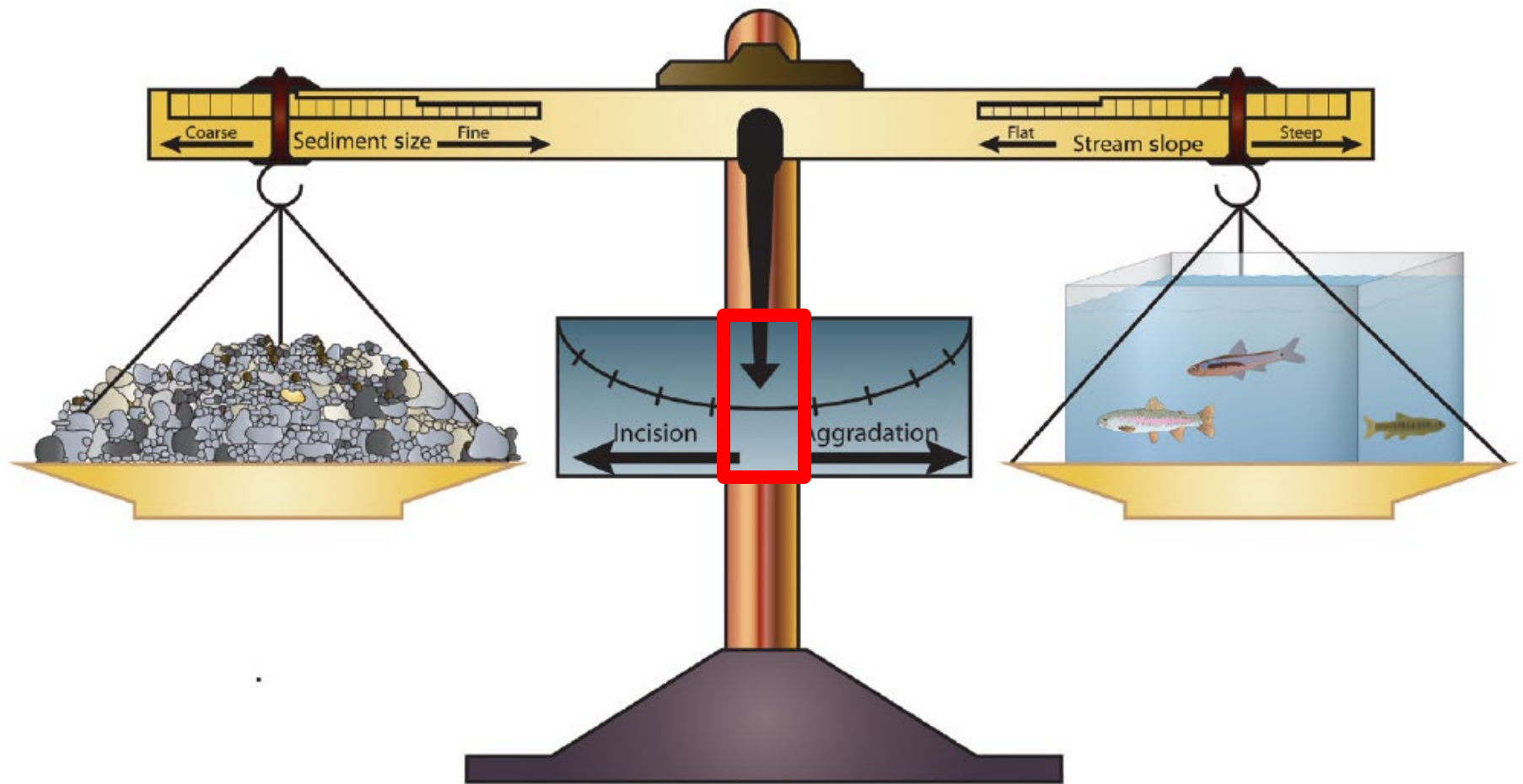
Columbia River
Fish & Wildlife
Conservation Office

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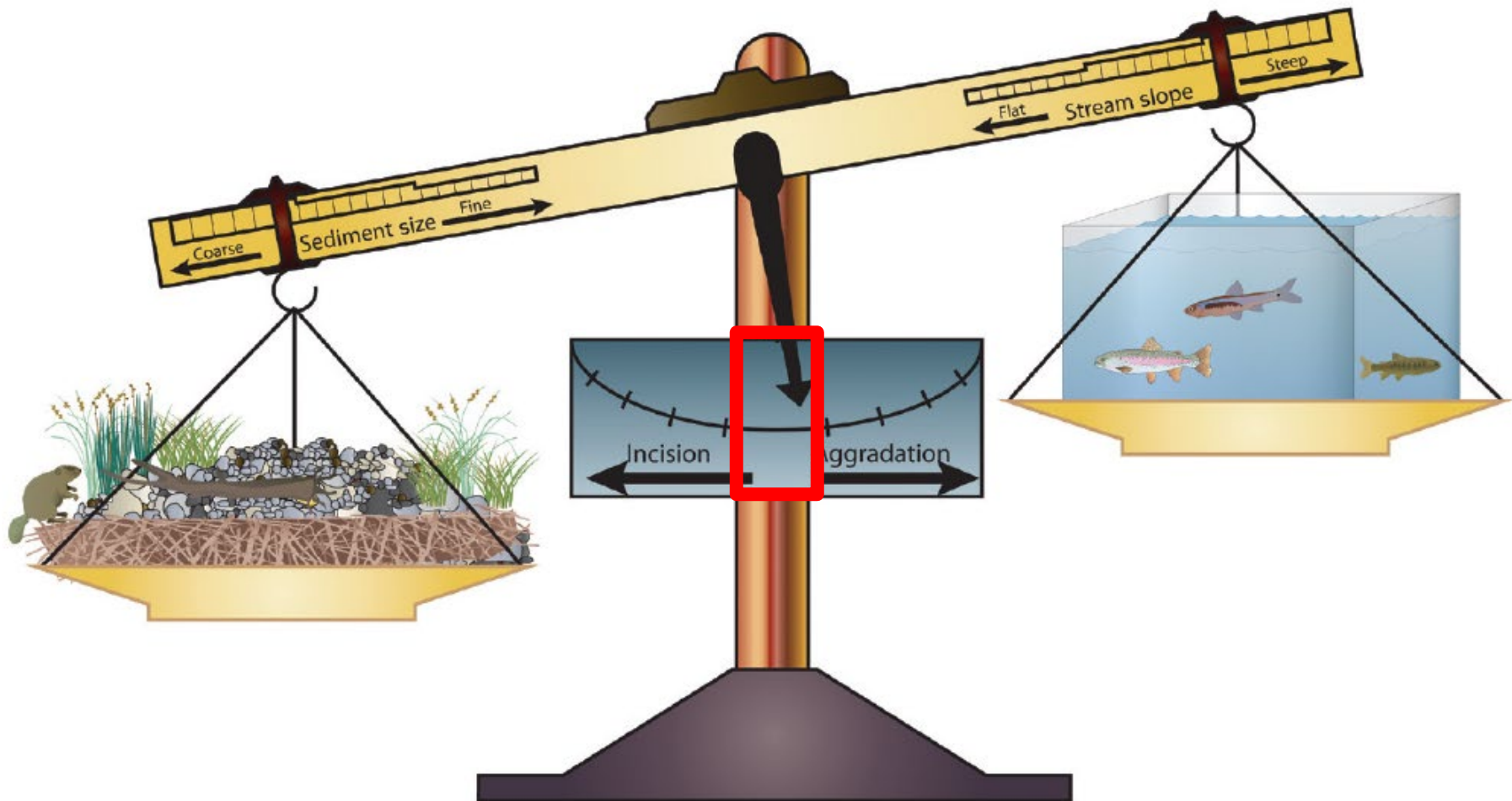
Colin Thorne



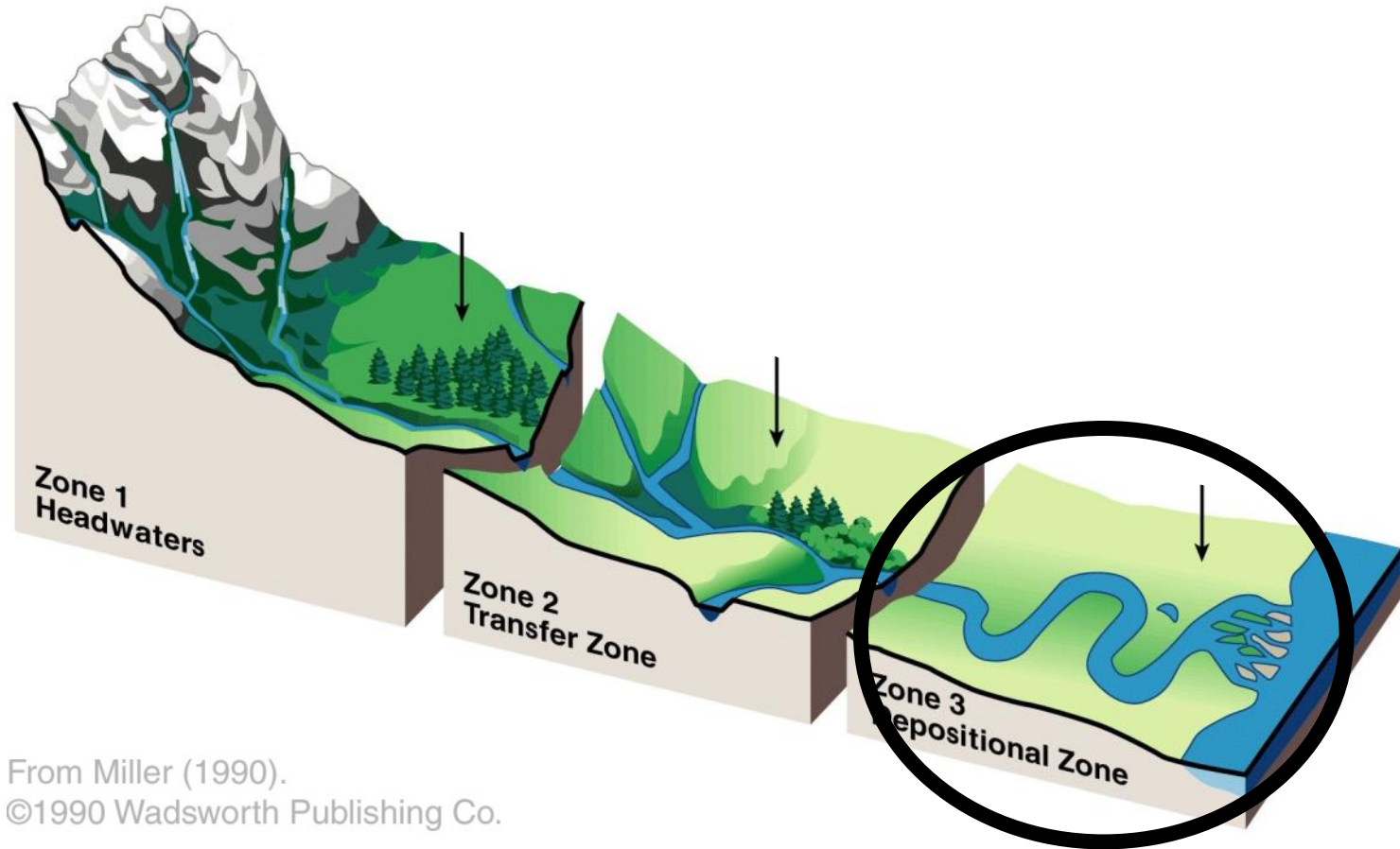
The University of
Nottingham



Lane Balance as adapted by Pollock et al., 2014



Lane Balance as adapted by Pollock et al., 2014

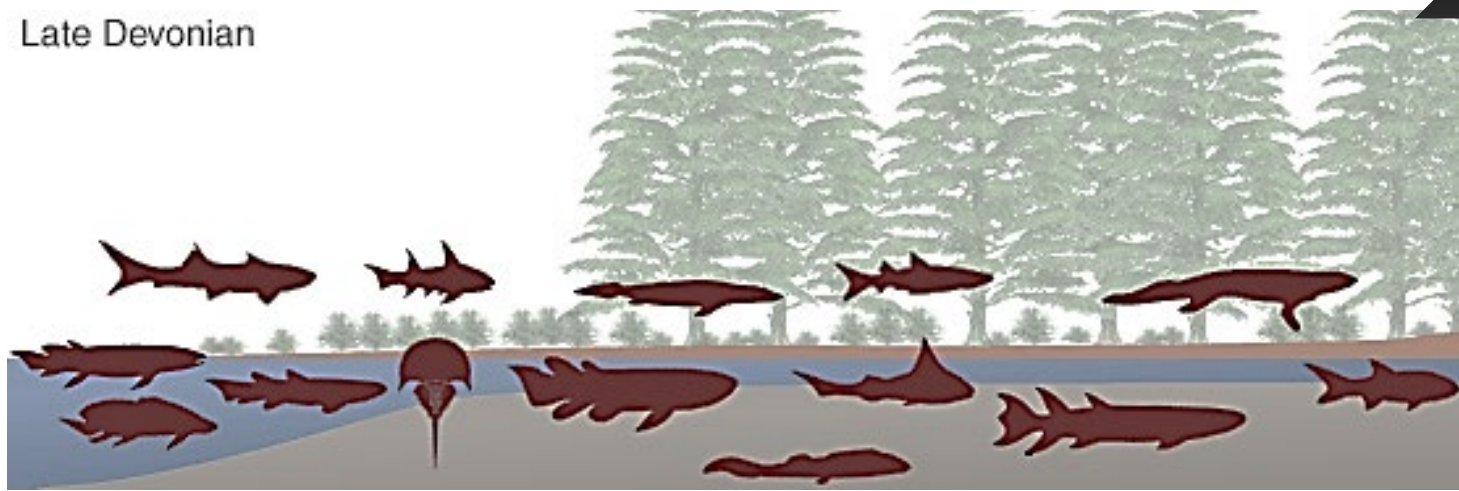


From Miller (1990).
©1990 Wadsworth Publishing Co.

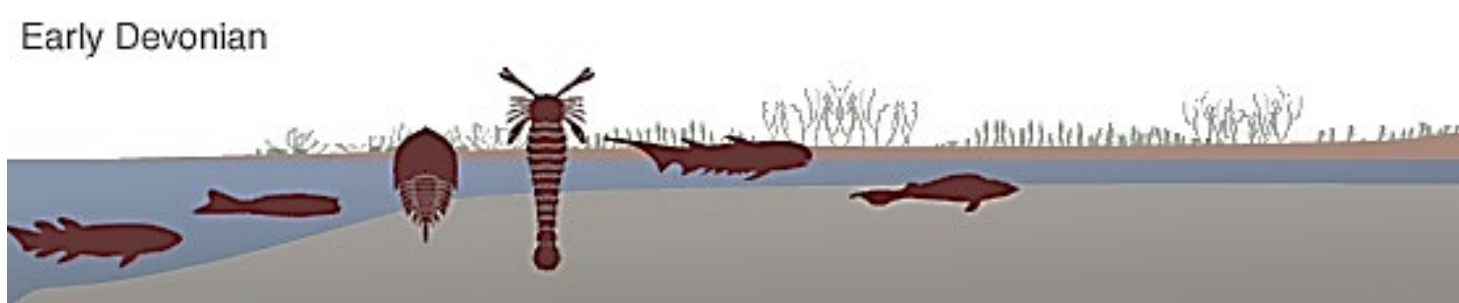


TIME

Late Devonian



Early Devonian



Middle Silurian



Modified from: Devon Gregory Times,



PERMIAN

TRIASSIC

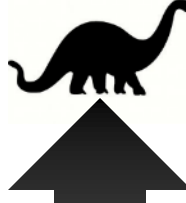
Meandering

Braided

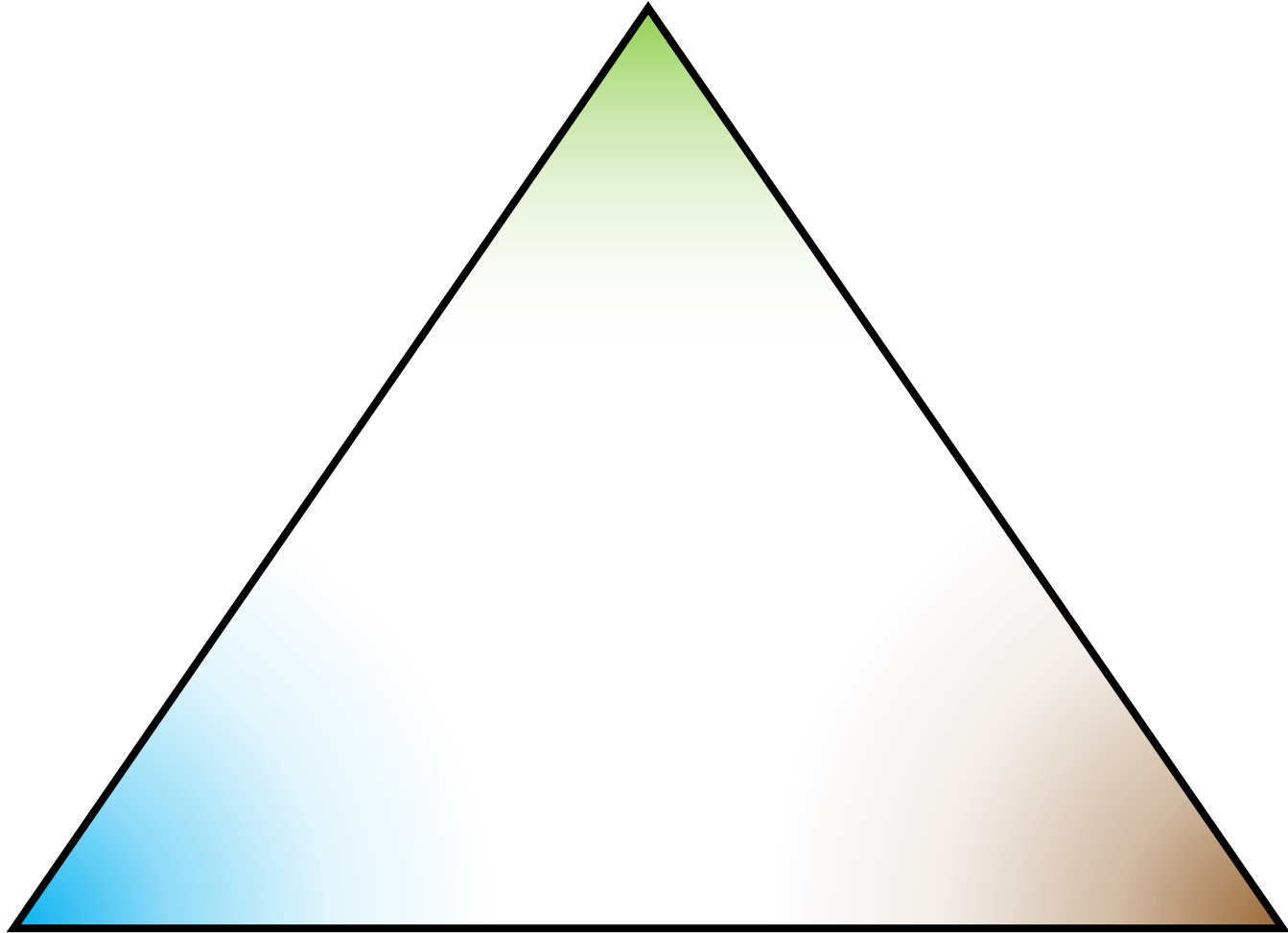
BOUNDARY

P/T

TIME



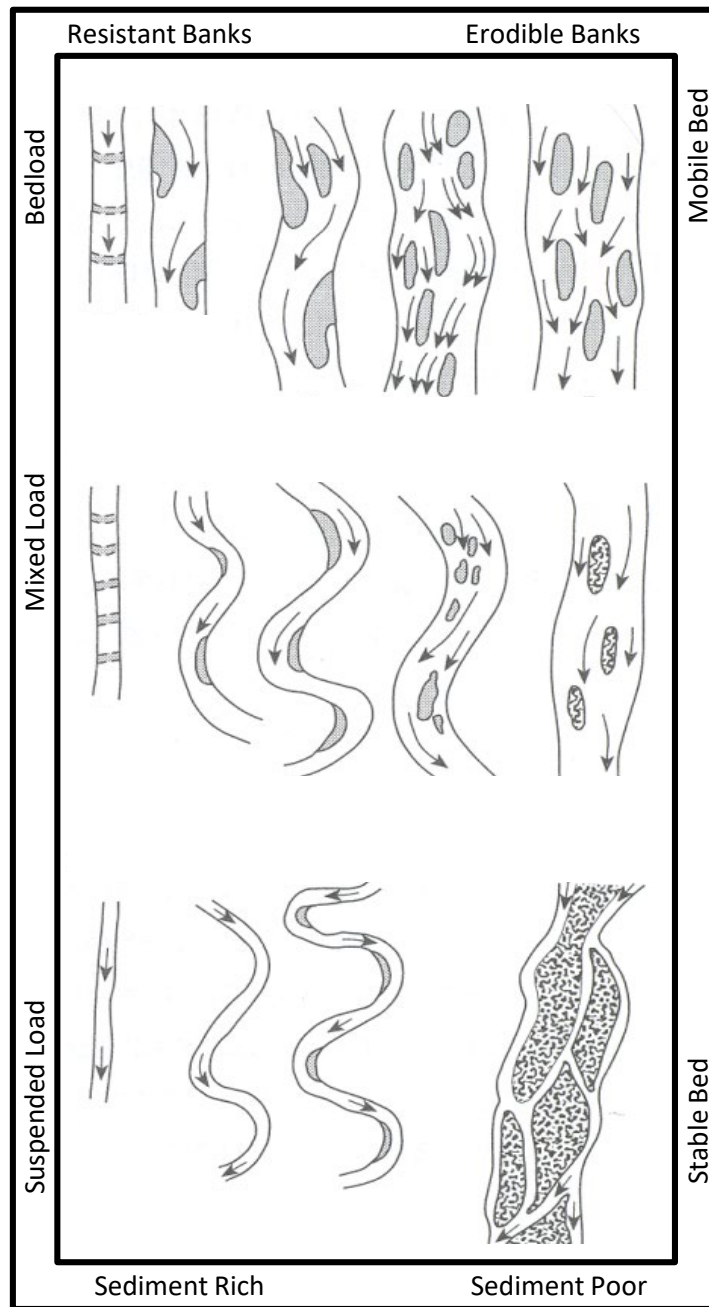
Biology



Hydrology

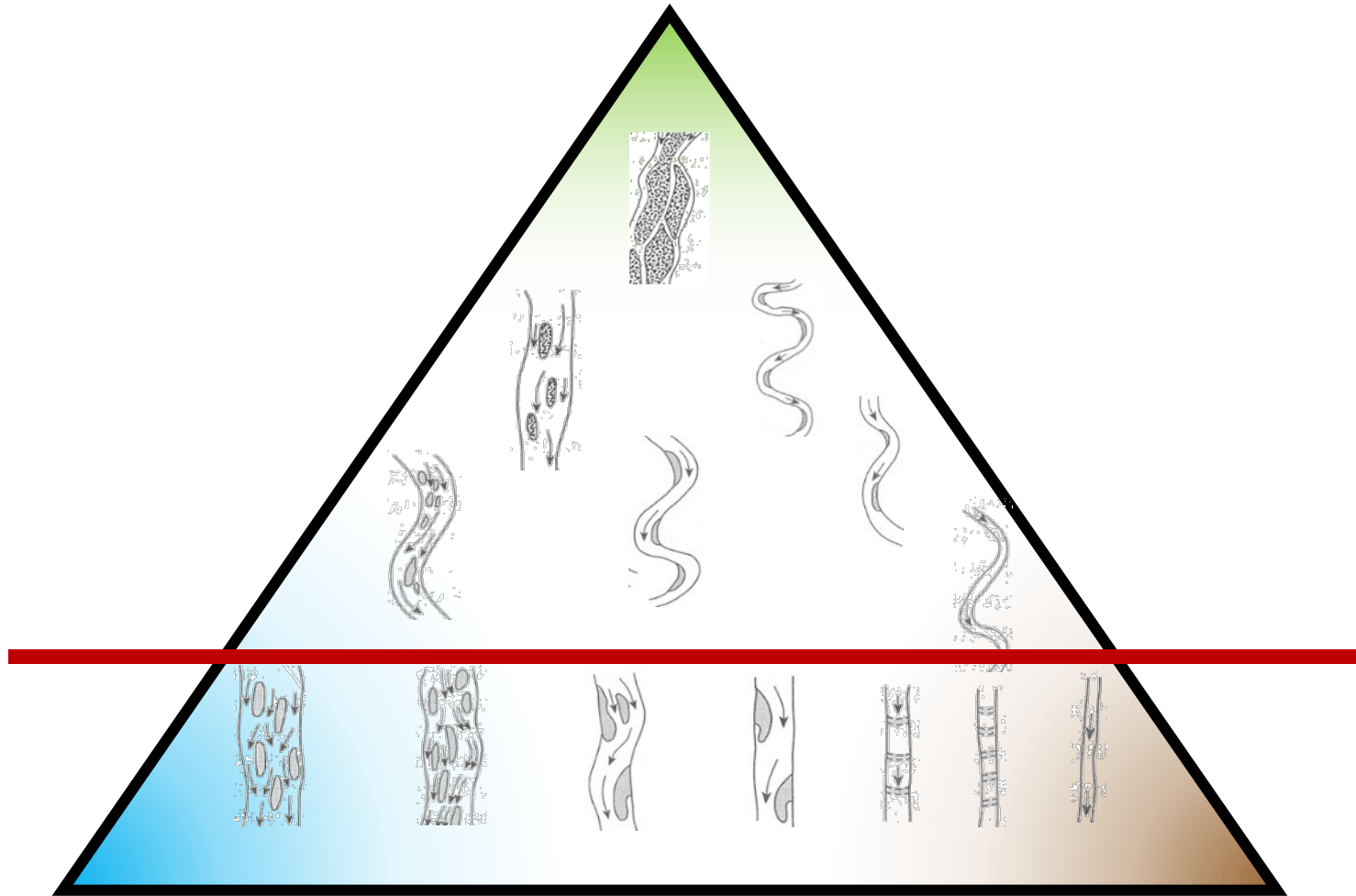
Castro & Thorne, 2019, in review

Geology



Channel patterns after Schumm 1985, modified from Knighton, 1998.
 Castro and Thorne, 2019 in review.

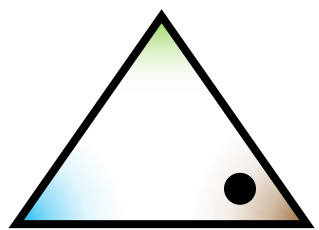
Biology



Hydrology

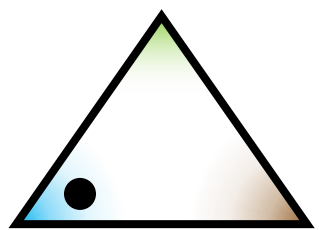
SET with the planform patterns defined by Schumm (1985).
Castro and Thorne, 2019 in review.

Geology

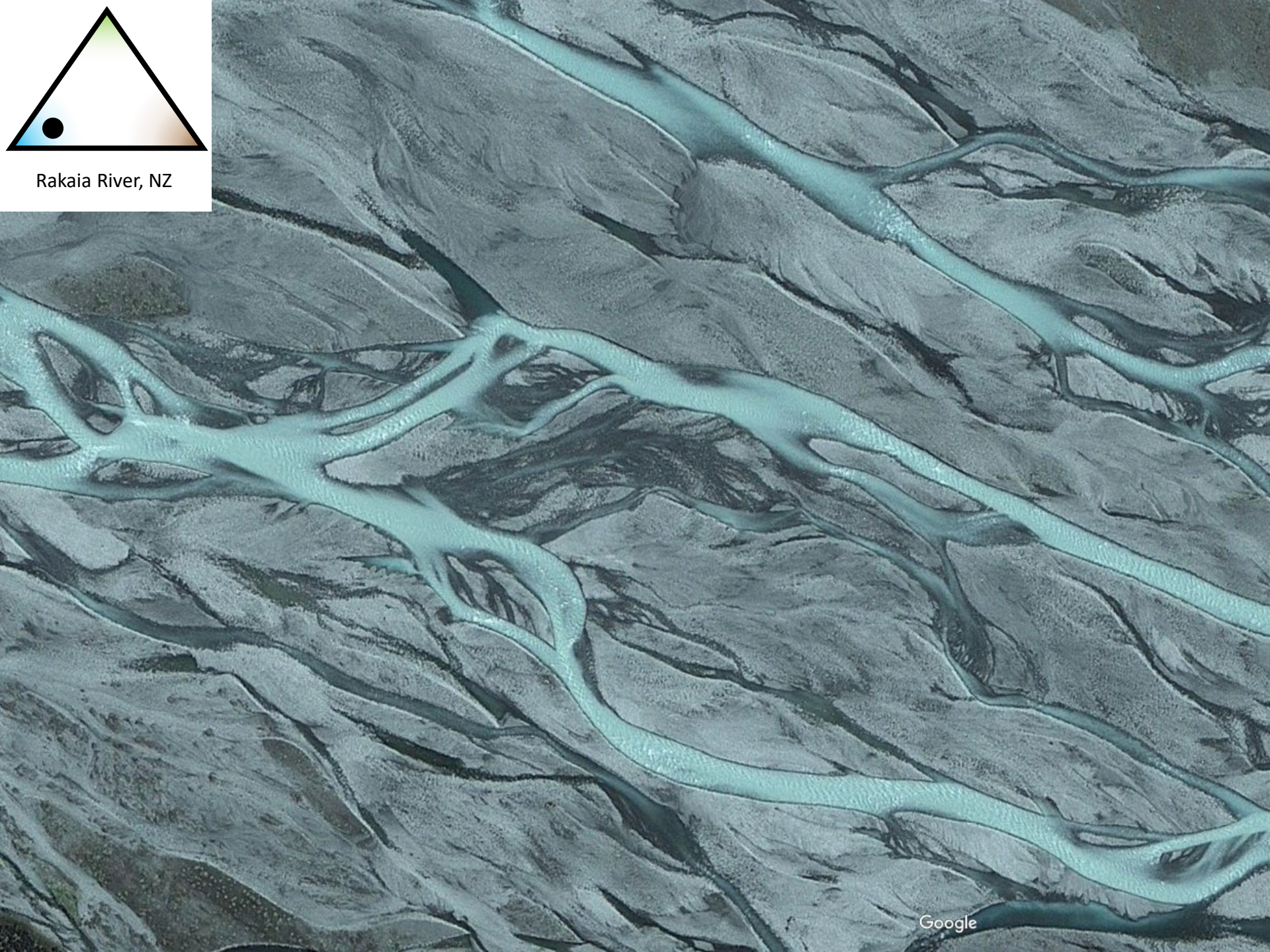


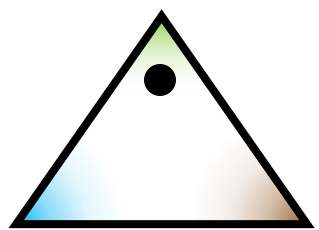
Colorado River, USA





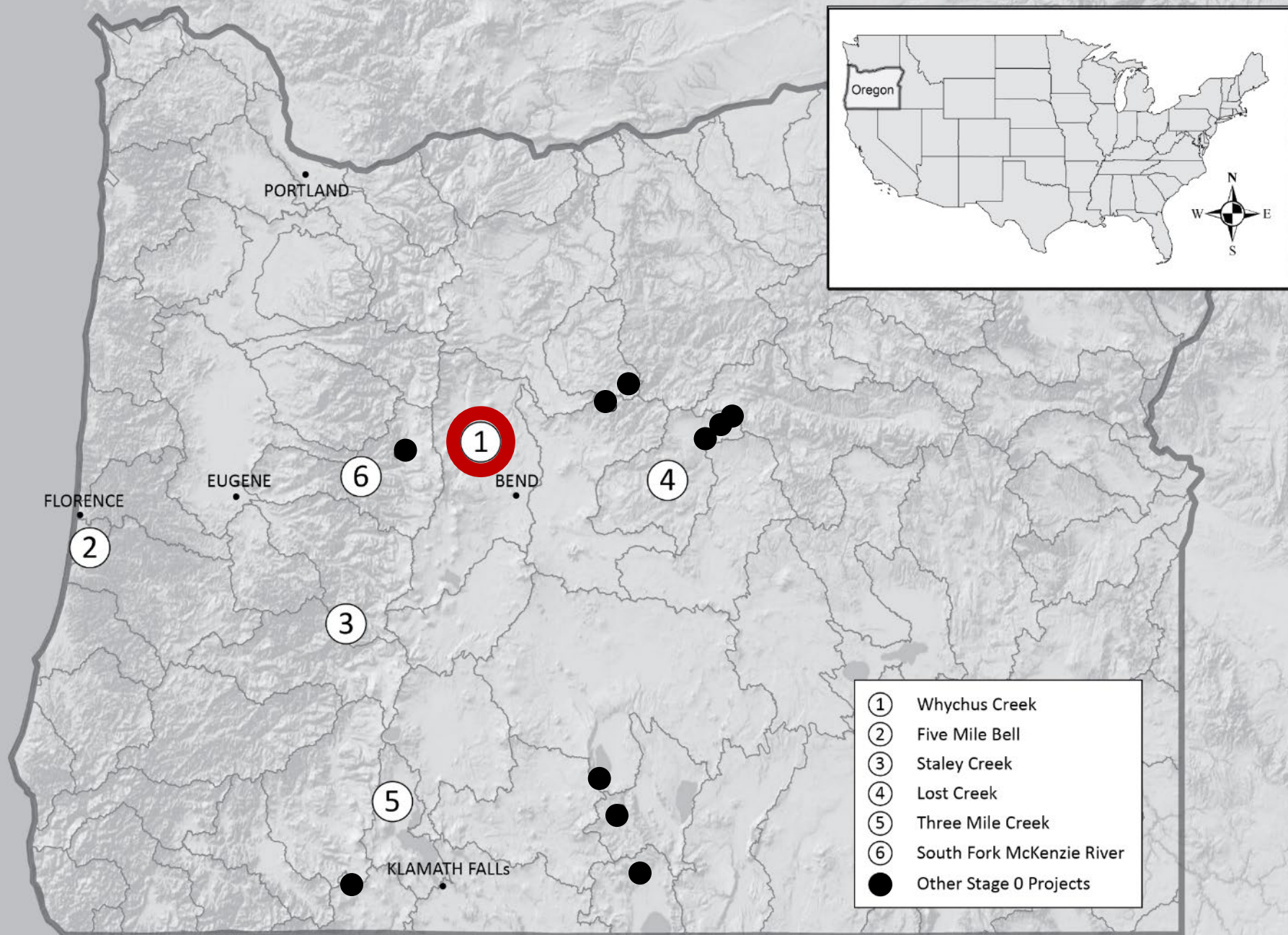
Rakaia River, NZ

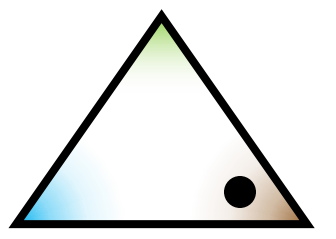




Rio Negro, BR







Camp Fork Rehabilitation

Photo courtesy of Paul Powers

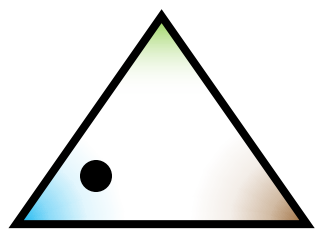


Photo courtesy of Paul Powers

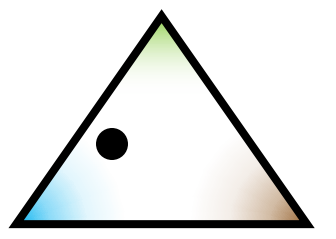


Photo courtesy of Paul Powers

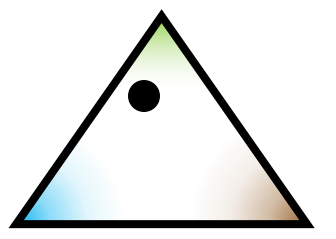
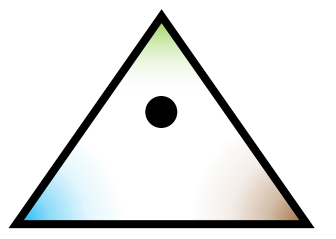


Photo courtesy of Paul Powers





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