Working List of mss for Special Issue of CTE2 findings (probably Ecosphere or Ecosystems)

Editors Shiels and González

(created Sept 2017, updated June 2018, probably will include drought, and in some cases Maria effects)

Manuscript 1 -

*Effect of mesh size on microarthropod abundance, decomposition and nutrient mineralization from green leaves (...following a hurricane experiment?).*

Ivia Morales, Maria Fernanda Barbarena-Arias, Sharon Cantrell, Grizelle González

Manuscript 2 -

*Changes in arthropod composition in green leaf litter over a six-month litterbag decomposition*

*experiment using different mesh sizes. (...following a hurricane experiment?).*

Ivia Morales, Maria Fernanda Barbarena-Arias, Grizelle González

Arthropod composition extracted from bags of different mesh sizes

Manuscript 3 -

*Composition and abundance of microarthropods in forest floor litter after canopy trimming and*

*debris deposition.*

Barbara and Mike Richardson, G. González (maybe add Ivia and Barbarena-Arias

*for comparison with composition in the litterbags. Richardsons are ok with*

*examining / ID the inverts of Ivia’s litterbags –maybe separate paper*).

Arthropod abundances in CTE litter on an area basis

Arthropod abundances in CTE litter on a per g wt litter basis.

Manuscript 4 -

*Patterns of nutrient fluxes from litter to soil after canopy trimming and debris deposition in a tropical wet forest.*

Maria Fernanda Barbarena-Arias, Whendee Silver, Sharon Cantrell, D. Jean Lodge, Grizelle

González, Sarah Stankavich

Nutrient flux patterns of nutrients from the litter to soil. Include litter mass and chemistry?

YES! data from Whendee. Cross-reference patterns in Lysimeter paper by Bill

McDowell.

· Cross-reference Microbes and microbial enzymes (foliar and soil)

Cross-reference Microbial biomass in soil (Xianbin Liu)

Manuscript 5 -

*Microbial dynamics and enzyme activity changes in litter and soil after canopy trimming and*

*debris deposition in a wet tropical forest.*

Sharon Cantrell, Krista McGuire, Jean Lodge, Grizelle González, and Maysaá Ittayem

Fungal diversity declined in the trimmed + debris plots in litter

Fungal diversity increased in the trimmed +debris plots in soil

Bacteria showed the opposite pattern from fungi?

Is there a signal of the drought/drought x treatment interaction?

Integrate Basiodiomycete litter mat data into MS 5. Does show a drought effect

Include data on enzymes from litter and soil.

Cross-reference litter moisture probe data analyzed to cross-reference from a paper being

submitted to a different journal

Cross-reference Xianbin Liu’s soil microbial biomass paper (MS 6)

Manuscript 6 -

*Basidiomycete fungi response to canopy opening and debris deposition in a wet tropical forest.*

D. Jean Lodge et al. (Sarah too?)

Manuscript 7 -

*Effects of multiple hurricanes on tropical stream chemistry is mimicked by response of soil solution to repeated experimental canopy trimming*

William McDowell et al.

Manuscript 8 -

*Understory snail dynamics following canopy opening and debris deposition in a wet tropical forest.*

Michael Willig et al.

Manuscript 9 -

*Canopy arthropod responses to canopy opening and debris deposition in a wet tropical forest.*

Timothy Schowalter et al.

Manuscript 10 -

*Seedling, sapling, and adult responses to canopy opening and debris deposition in a wet tropical forest.*

Aaron Hogan, Aaron Shiels, Joanne Sharpe, Sarah Stankovich, Jess Zimmerman et al.

Manuscript 11 -

*Vertebrate responses in the understory of a wet tropical forest following canopy opening and debris deposition*

Norman Greenhawk (Jess’s herp MS student), Aaron Shiels, et al.

Norman measured herps abundances; Shiels measured rats and seed predation

Manuscript 12 –

*Litterfall response*

Whendee Silver, Grizelle Gonzalez et al.

Others:

-Perhaps a paper on abiotic responses—Ashley working up these data and GG says they may go here or in the Forests SI. Instead of a separate FERN paper from Joanne Sharpe (emailed here asking), she prefers ferns to be tucked with other understory plants so not a separate fern paper this time.

-also intro and synthesis papers for this SI (GG going to take lead on one of those)

-check with Omar if he has anything (Whendee says they plan to publish those before, or outside of, the SI)

-2nd trim was Nov/Dec 2014; Canopy photos were yearly, and December 2016 (last pre-hurricane); the post-hurricane canopy photos Oct & Nov 2017; and doing another set in Fall 2018.

-Ask All LTER