Meeting notes for 2020 CRW

Canadian water resources journal –final journal choice (not the AGU one).

Cluster anaylsis based on hydrographs from HOBOs – classification analysis, that generated 4 types, then do an indicator species analysis or indicator species anaylisis to link hydrograph metrics to types

* Nxt step take plant data, water quality data, eco-hydrological classification, classification regression tree, how are the ecological characteristics different among the hydrological classification- Catriona hasn’t done the eco part—
* Not sure about hypothesis
* Are ponds consisten in a seasonal cycle
* Contrast and compare 2019 with 2020->
* For Catriona 4 hydrologic sites do they exhibit characteristic pattern
* Compare 2020, what was the effect of the different extent of the flooding on the isotopes – taking four hydrologic types and asking if we see any pattern of the 4 types that is consistent.

Send PCA r script to Catriona—

How consistent is the seasonal patterning in isotopic metrics?

Maybe don’t talk about the classification just look directly at the hydrographs and see how they align/compare with the isotopic interpretation

Big question is where is the groundwater coming from and is it going to continue to persist—

So more samples from springs and creeks—want to know how long the groundwater is,

Variability in the summer, groundwater data is consistent, does it really relate to surfical hydro-period? 🡪 July 18th,

2020 classification done by Catriona for nxt meeting

21st noon- 1pm EST.

Run data through framework

August 31st🡪

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Hydrographs from 2020, 2021, 2022

Are the categories finalized?

Hydrologic classification of these sites based on hydrographs from 2021

Comparing hydrographs from 2020, and from 2021. Heriarchical cluster dendrogram

Do the two yeasr behave consisteniently since the river didn’t overtop the levees either year.

What are the hydrograph sites?