

Nebraska Invasive Species Advisory Council

Meeting Notes

Date: Friday, March 9, 2018 **Time:** 10:00AM-12:00 PM

Location: University of Nebraska-Lincoln, Hardin Hall Room 901, 3310 Holdrege St. Lincoln, NE 68583

I. **Featured Presentation**-Elliott Barnhart (USGS), Feasibility of Using Real-Time eDNA at USGS Stream gages to Detect Pathogens and Aquatic Invasive Species

For the last 20 years MBARI has been sampling oceans for DNA-discharges clean water and a little bleach. Has battery for 6 months at a time

II. **Presentation on Callery Pear:** Lorri B Grueber, Community Outreach Forester, City of Lincoln, NE

- Being banned on the street tree list
- Said that in future if cultivar that are seedless or almost seedless then could add to street tree list
- Tree can change sexes-technically all trees are sterile but cross pollinate
- Originally from China-brought here in 1950 was noticed as problem in 1980
- Being spread by seed by birds and wildlife
- Parks service in MO could look at removing these trees from national parks
- In Lincoln greenbelts seeing it spread and now off tree list for planting near greenbelts in Lincoln
- Purple tree in Fall, early spring one of the first trees to bloom
- Tree board meeting next week to ban callery pear from street tree list
- Golden rain tree is a species of future concern of some of the council members
- Trees are not very weather tolerant
- When goes wild it reverts to having thorns and is very erect
- Widely used in Centennial mall and Capital parkway
- Low calorie content for birds
- Non suckering crab apples-would be a good replacement-would need to be pruned though

III. **Spotted Lantern Fly Update** Carmen Thompson & Cindy-Article from PA.

- Carmen-Mitigratory coorindtor on the applicaian trail-have seen it for awhile,
- No native presetaters-but a few parasitods from Asia-gypsy moth parasitoid are looking at for bio control
- Has been in PA since 2014

IV. **Coordinator Updates** (Allison Zach)

CO2 could be applied to obtain kill of ZM and QM-doing test in Mississippi in a lock system Katherine from USFWS gave a talk on it. Diane Waller, U.S. Geological Survey-could

reuse CO2 from an industrial facility to cut costs. CO2 caused byssal threads to not regrw. Loosens the plaque-which adheres them to the substrate-in the CO2 ZM physically are actively releasing from the plaque. They removed bysal threads in the experience and saw that they didn't regrow. In a lake setting CO2 could cause ZM to unattach themselves from substrates causing them not to survive.

V. Council Member Updates

- **Kim**-Going to Scottsbluff next week at the high plains conference. What should you and should you not use is what teaching plant ID to undergrads. Backyard farmer starts in April-ask council to suggest topics, FFA is in Lincoln, Career Degree Event-3,000 will be touring. April 4-5 they coming-next year could have a booth at the event (Kim arranges it)
- **Justin**-talking to DEQ for treating zebra mussels to use cooper sulfate at cooper nuclear station. Currently using H150M-molluskicide using now.
- **Carmen**- will be working at Homestead garlic mustard there
- **Brenda**-Safeguarding the west from Mussels is a annual report stating what is being done for mussels.
- **Lorri update:** Tree board meeting is next Tuesday at 4pm-Parks and Rec- 3131 O street Suite 300 which is the health dept building
- **Jeremy**-petition for Platte Republican diversion project-petition-would be rather, then the application will have a public comment period-once application. The variance request would be at high flows, then the application would . Spring and fall 1 and 2 time frame. Over appropriated basin.

The Next Meeting is April 13, 2018

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