

Native Clover Conservation Virtual Meeting- Kentucky focused (initially)

2021-02-24, 9am-11am, meeting will open 8:45 am for coffee and clover talk

Attendees: State, federal, universities, consultants, conservation horticulturalists, non profits, volunteers interested in native clover conservation

General Rules:

- try to join online with video capability for full participation,
- Introductions of attendees will be done through the zoom chat-please put in the chat your name, affiliation and why you are interested in this meeting
- use chat to ask questions during presentations, these will be answered during discussion times
- Presentations with maps and photos will be screen shared
- Meeting will be recorded and made available for additional interested folks

AGENDA

1. Introductions, Purpose of Meeting, Goals, Measurement and Outcome-10 min
 - a. OKNP/KNPS/KPCA coordination
 - b. Goal- To prevent extinctions of plants, restore associated community to functioning stable systems that can sustain populations of target species, Single species to landscape scale
 - c. How?Leveraging existing resources and working with partners on priority conservation projects. partnerships thus far (USFWS, OKNP, BGAD, EKU, Cincinnati Zoo, JC, JOKU, KDFWR (private lands, WMA and stream teams), KNPS/KPCA (volunteer and funding opportunities)
 - d. General outline for each Clover section 1) current status-population ranks and trends 2) conservation measures: protected/managed/private; site management; 3) research (life history, management needs, genetics); 4) seedbanking; 5) propagation/introductions/restoration 6) discussions
2. KY Clover (*Trifolium kentuckiense*) -40 min
 - a. Current status
 - i. Population/Site ranks and trends
 - ii. associated community characterization/species
 - iii. searching for new populations April/May 2020/2021
 - b. Site Conservation measures
 - i. Protected/managed/private/acquisition
 - ii. Site management
 1. Woodford-fencing-Lacefield update
 2. Franklin-honeysuckle management
 - c. Research

- i. Life history
 - 1. need
- ii. Monitoring/management
 - 1. Need
- iii. Genetics
 - 1. UK-Ruhfel/Koenig update-genetics of *T. kentuckiense*, where does it fit in the clover evolutionary tree?
 - 2. Historic specimen at ECU and UT, historic from TN???
 - a. Can we conduct DNA analysis on historic herbarium specimens to test hypothesis that TN specimen could be kentuckiense?
 - b. Expand search area?
- d. Seedbanking
 - i. JOKU update
- e. Propagation/introductions/restoration
 - i. Propagation
 - 1. JC, Cincinnati zoo, JOKU, other
 - ii. Introductions
 - 1. Franklin co? Jessamine Co.
 - 2. JOKU study
- f. Overlapping target species
 - i. *Physaria globosa*, *Boechera perstellata*
 - ii. Others

Discussion-questions or comments from chat and call on raised hands

- 3. Running Buffalo Clover (*Trifolium stoloniferum*)-40 min
 - a. Current status
 - i. Status survey results 2019-2020-population site ranks and trends
 - ii. Associated community characterization/species
 - iii. Surveying for new populations
 - b. Site conservation Measures
 - i. Protected/managed/private/acquisition
 - ii. Site management
 - c. Research
 - i. ECU-Jen and Ted eku research overview-10 min
 - ii. NKU
 - d. Seedbanking
 - i. JOKU update
 - e. Propagation/Restoration/introductions

- i. EKV (taylor fork, meadow creek farm)
- ii. Shaker town
- iii. Center college property
- iv. others
- f. Priority Projects
 - i. Mt folly farm-largest RBC pop in Kentucky, on private cattle farm, needs more detailed study on grazing and management effects of RBC <https://mtfollyfarm.com/>
 - ii. Big Bone Lick/Gum Branch/Boone Co
 1. Monitoring/management
 2. Bison one day
 - iii. Stream Mitigation NKU/KDFWR sites
 - iv. BGAD/EKV properties
 - v. LHC

Discussion-questions or comments from chat and call on raised hands

4. Buffalo Clover (*T. reflexum*)-20 min
 - a. Current status
 - b. Site conservation measures
 - i. Mammoth Cave
 - ii. Land Between the lakes
 - iii. Pennyrile SP
 - iv. Clarks river
 - c. Research
 - d. Seedbanking
 - e. Propagation/Research/introductions

Discussion-questions or comments from chat and call on raised hands

5. Where do we go from here? 10 min
 - Provide updates to the group on existing projects-email, ladylipper publication, Kentucky Botanical Symposium
 - Collaborative workdays (management and monitoring), publications
 - Regional collaboration
 - Volunteer building
 - Research opportunities and collaborations

