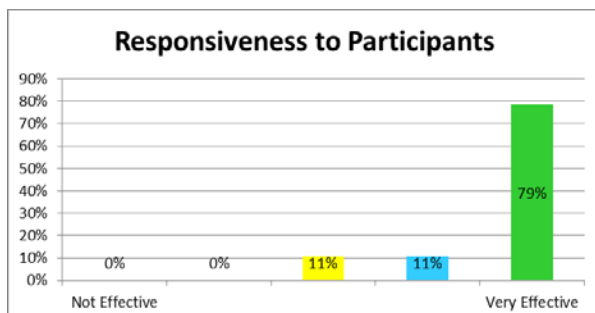
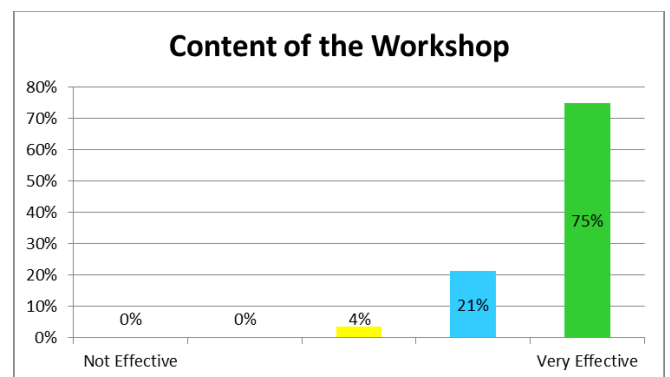
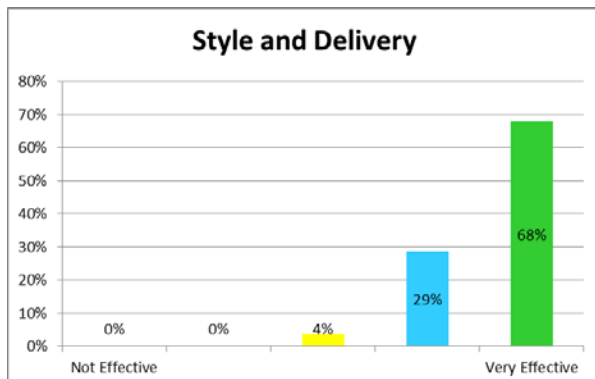
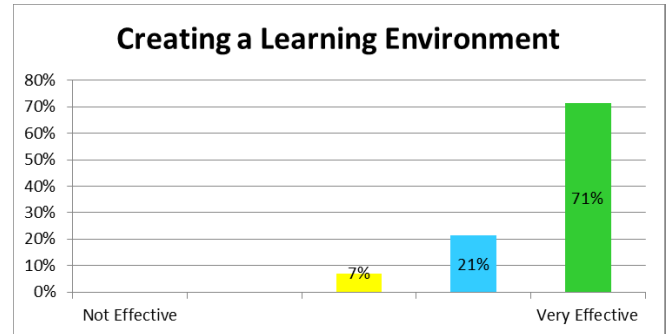
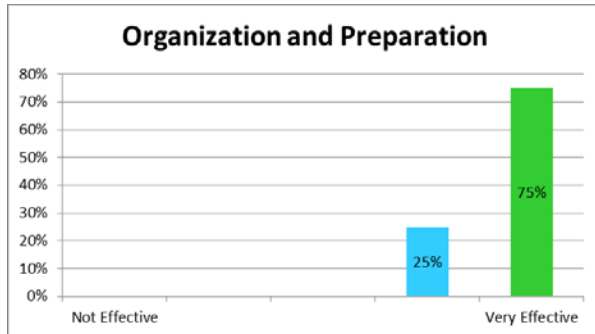


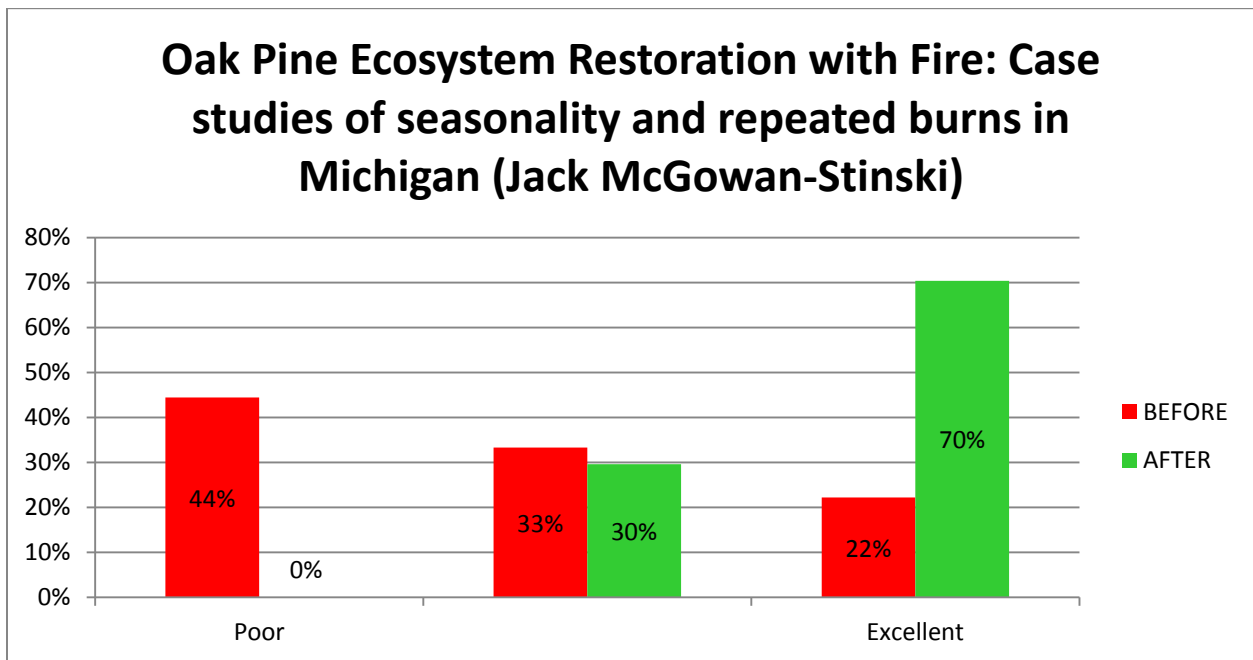
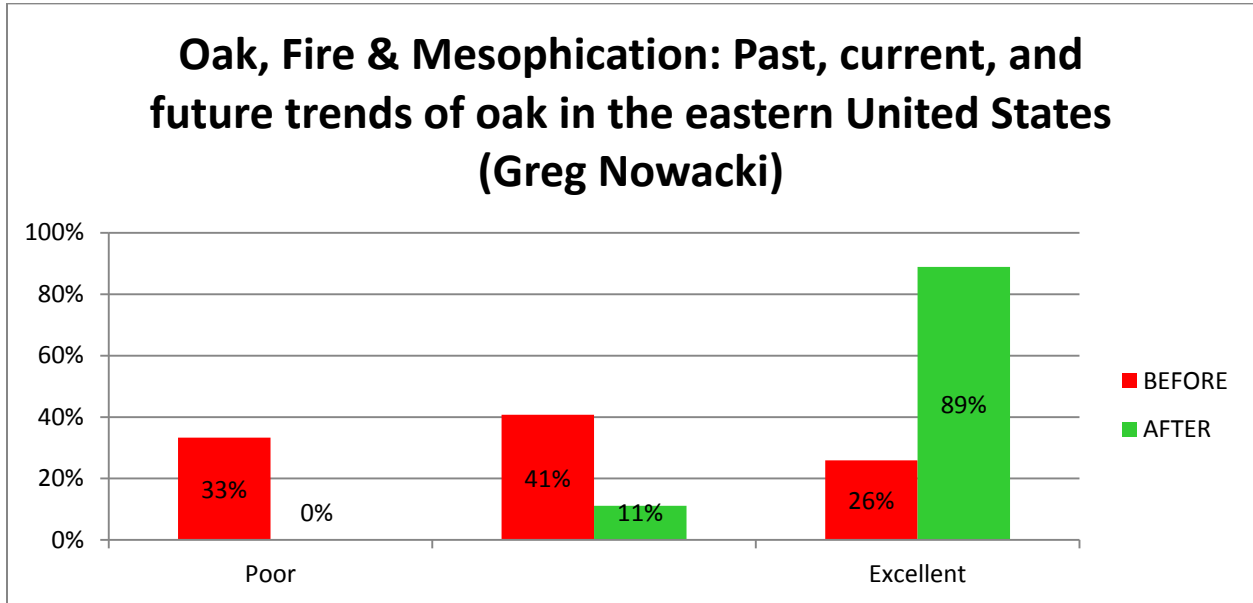
Southwest Michigan Oak Restoration Workshop Evaluation

Workshop May 17-18, 2016

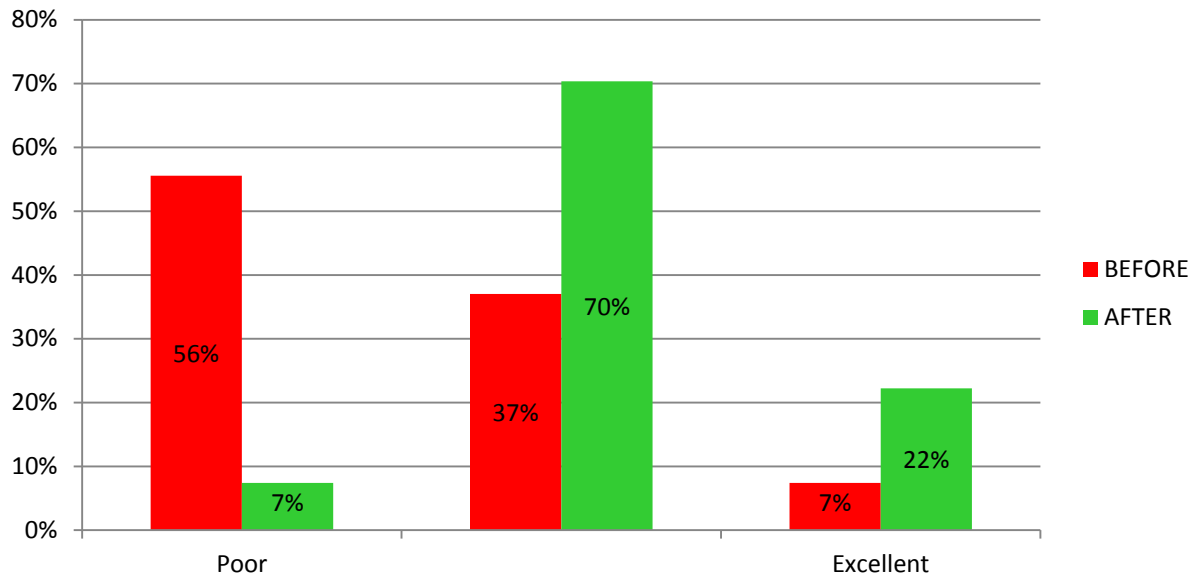
1. Please provide the following overall evaluation on the effectiveness of this workshop on a 1 to 5 scale (1 = not effective; 5 = very effective).



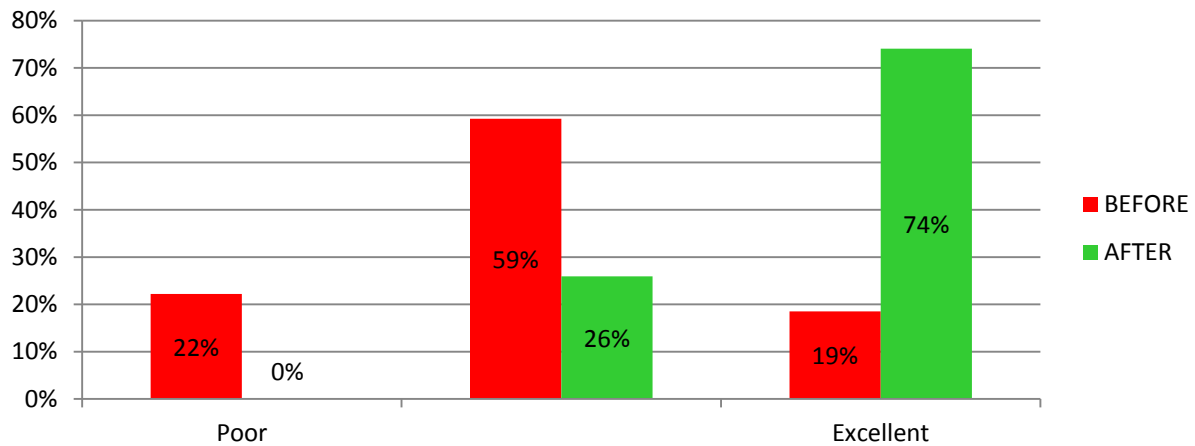
2. Please rate your knowledge of the following topics before and after attending the Workshop.



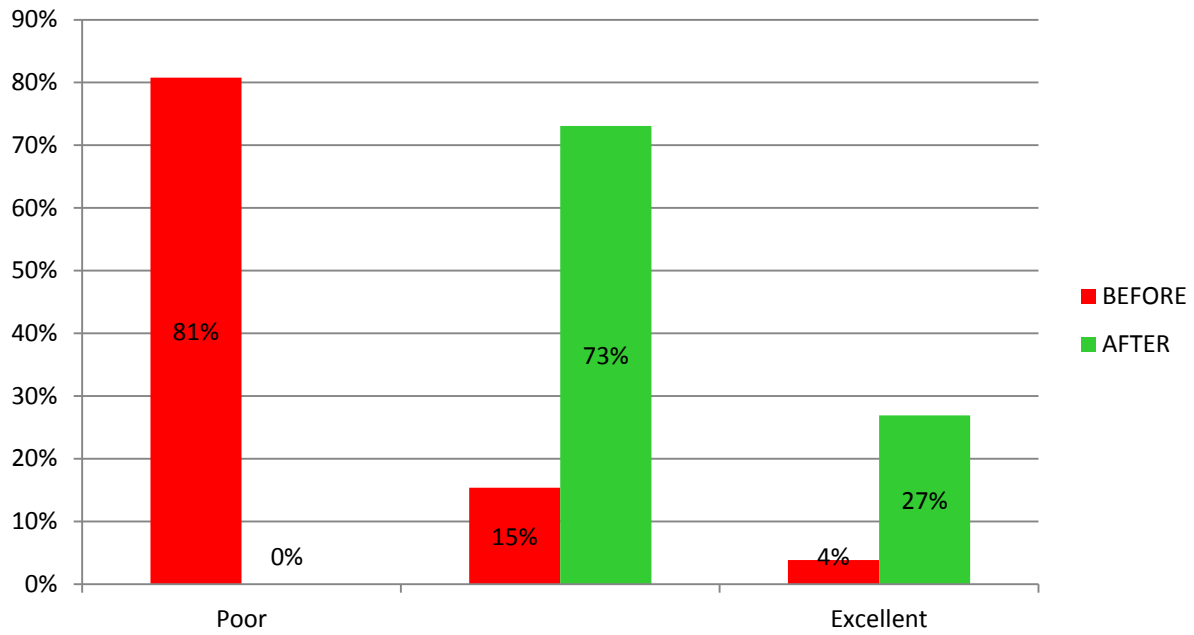
Potential effects of future climate change on the oak resource (Steve Matthews)



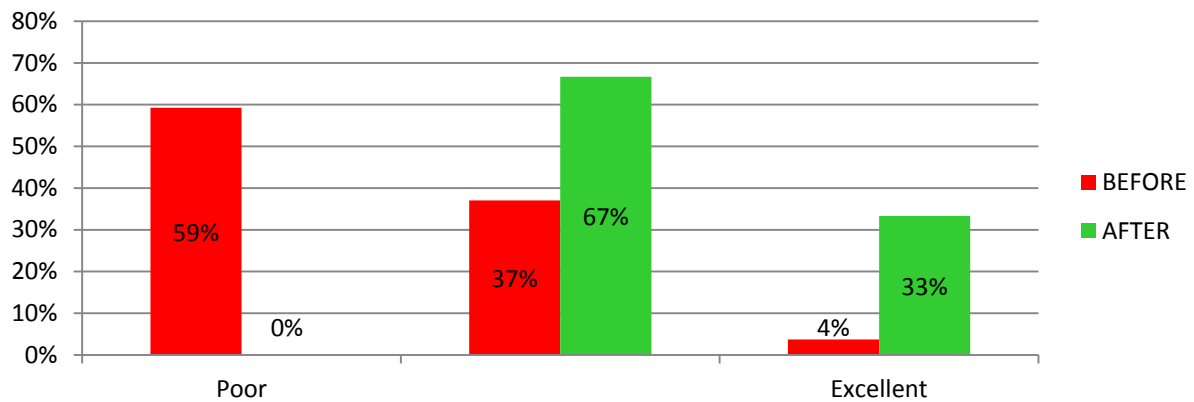
Silvicultural treatments that promote oak ecosystems (Pat Brose)



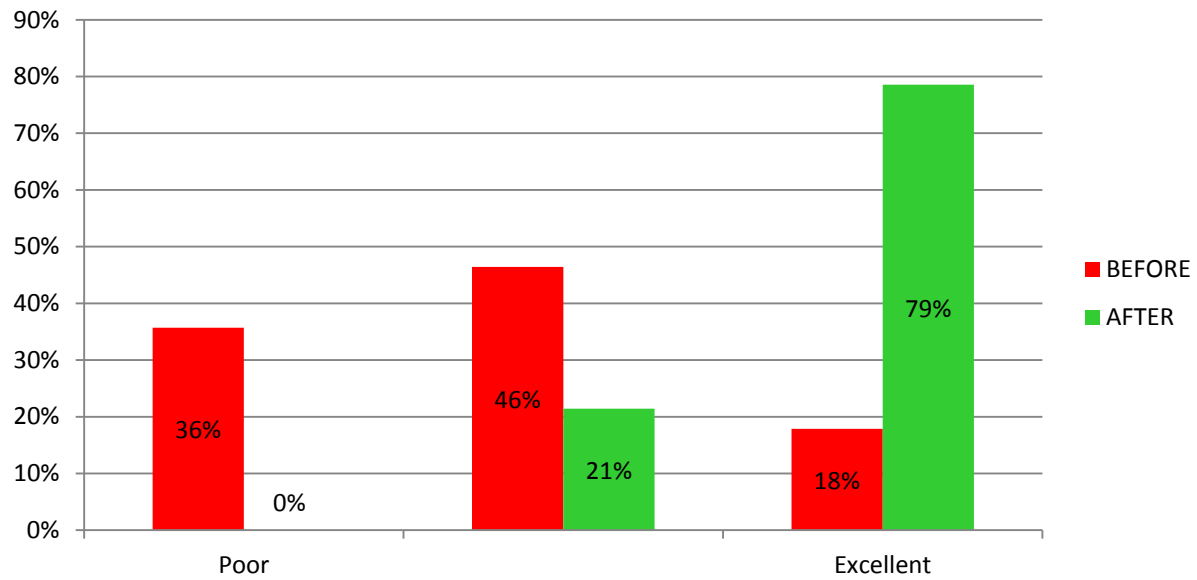
SILVAH decision-support system and its utility in managing oak (Pat Brose)



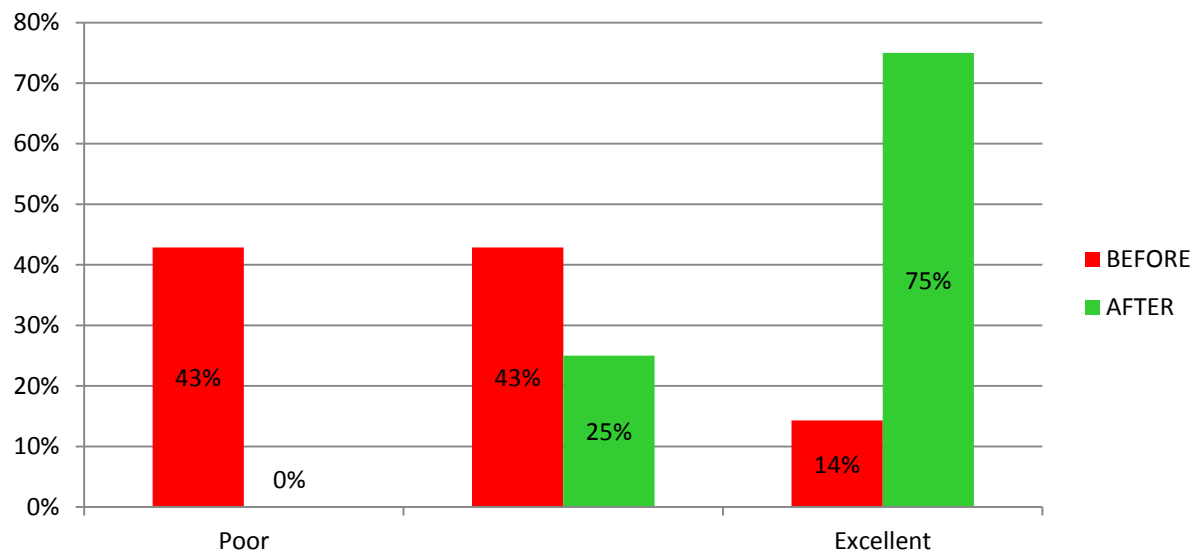
Oak ecosystem restoration and unified monitoring protocols for National Forests in the Eastern Region (Dan Dey)



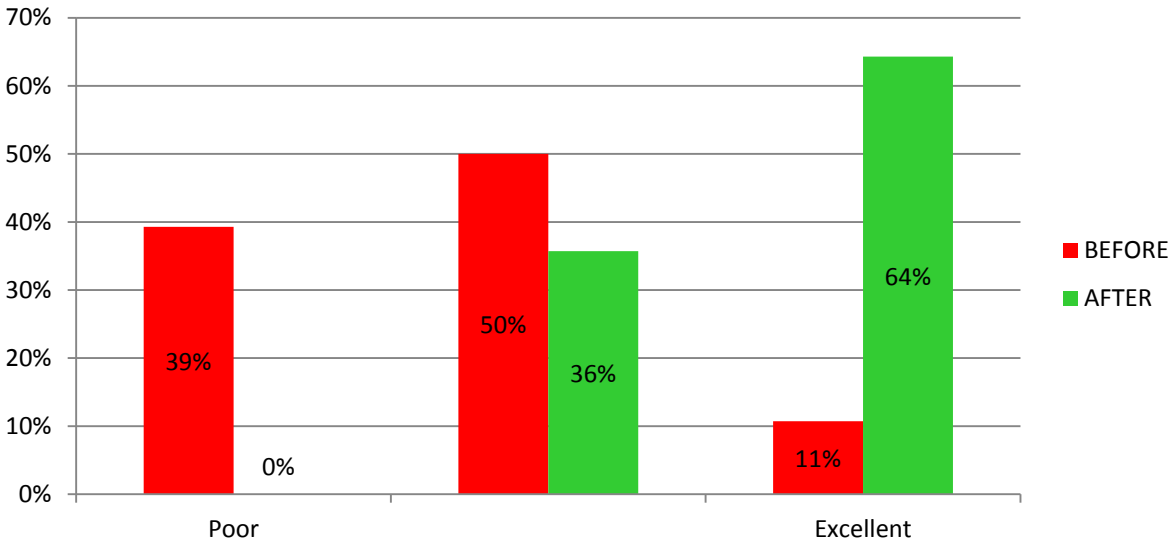
Recognize current challenges and impediments to oak regeneration/restoration



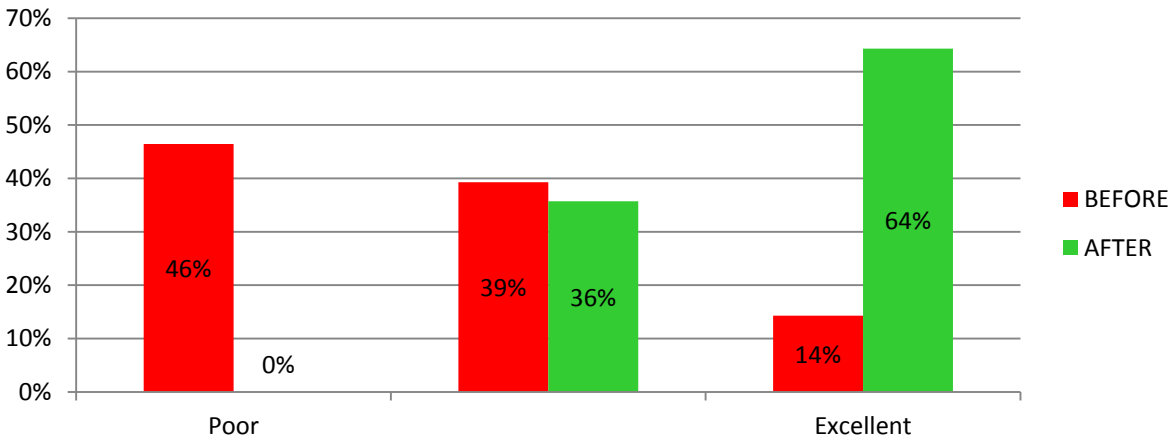
Identify promising silvicultural treatments that favor oak



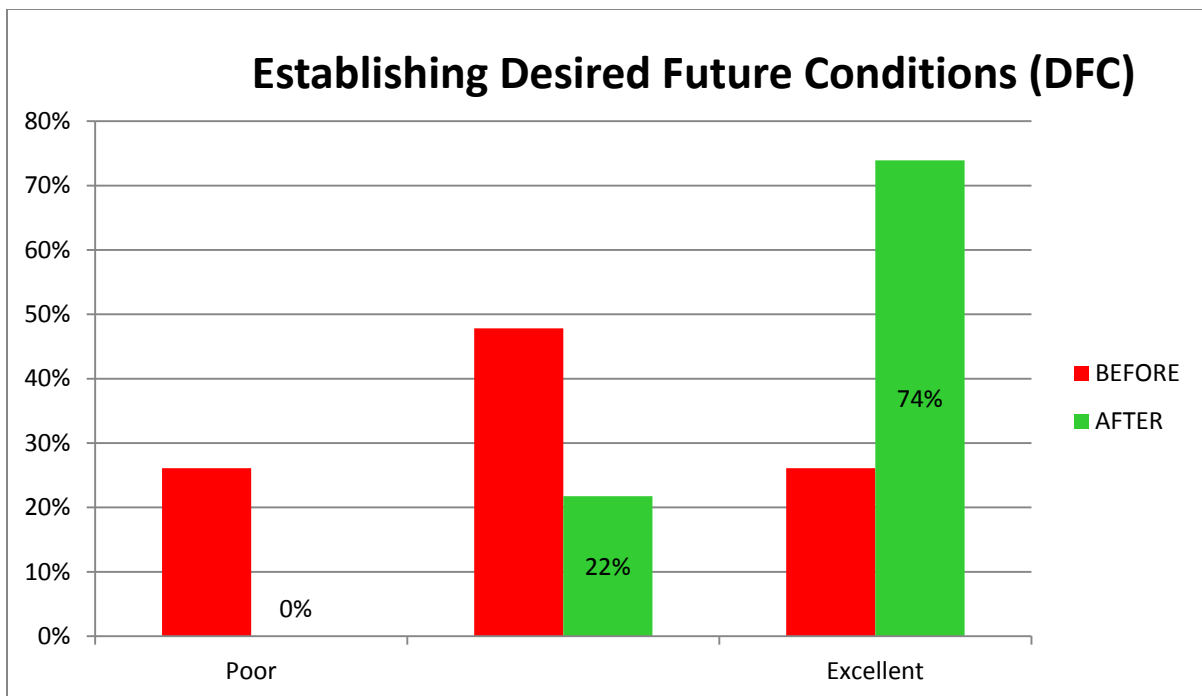
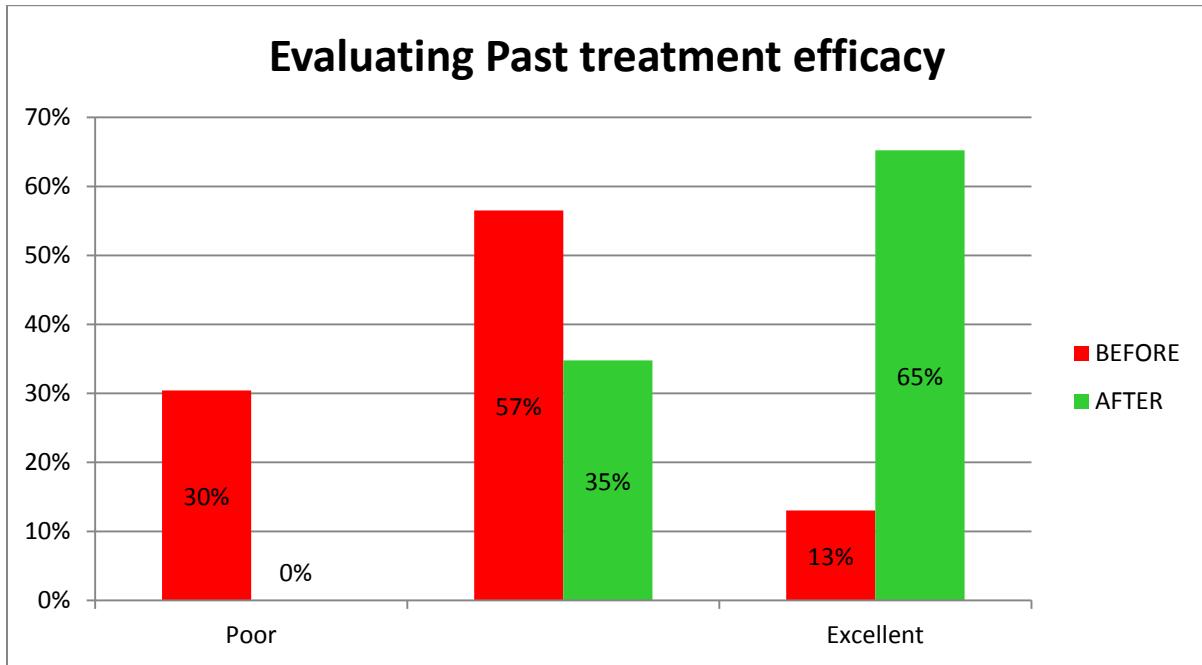
Highlight sources of information that supports oak ecosystem restoration



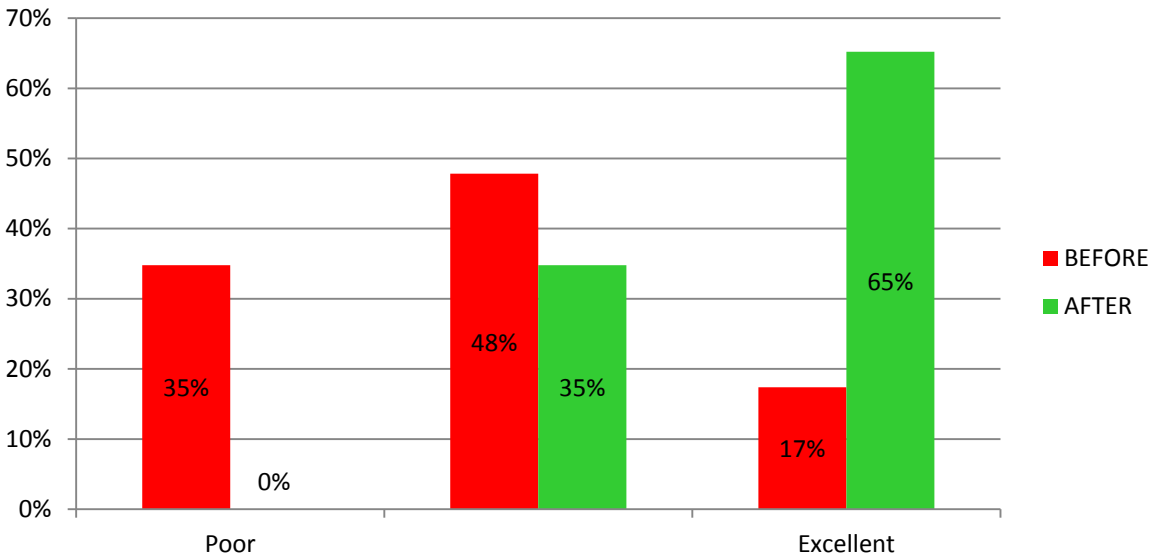
The significance of oak regeneration monitoring and approaches to accomplish monitoring



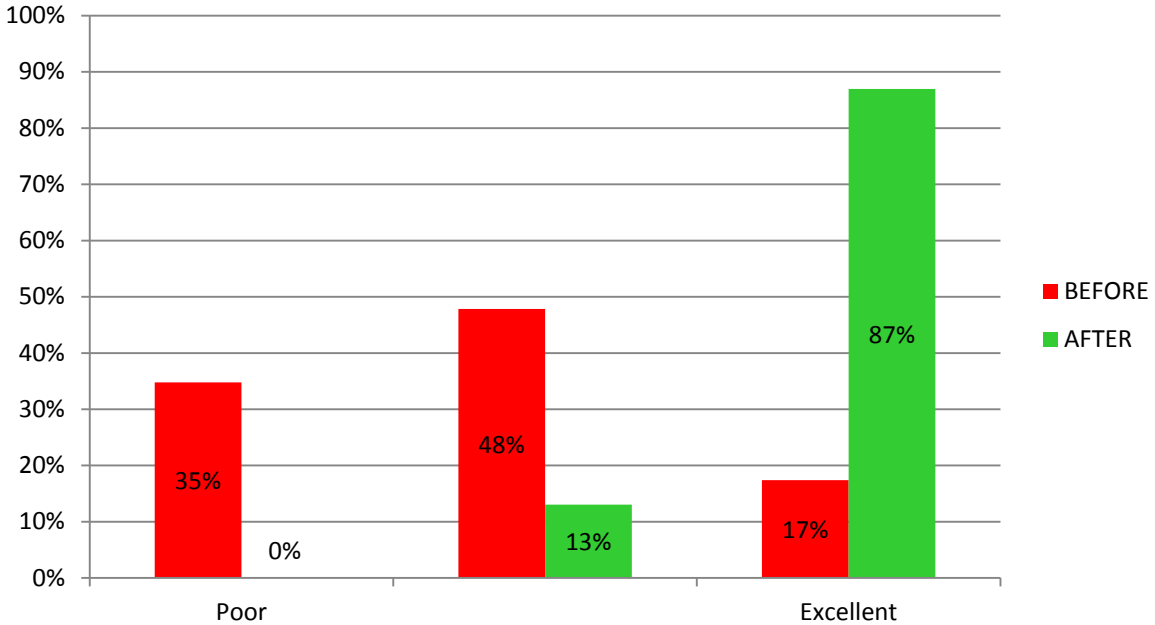
3. Please rate your knowledge of the following topics presented and discussed during Field Visits, before and after attending the Workshop.



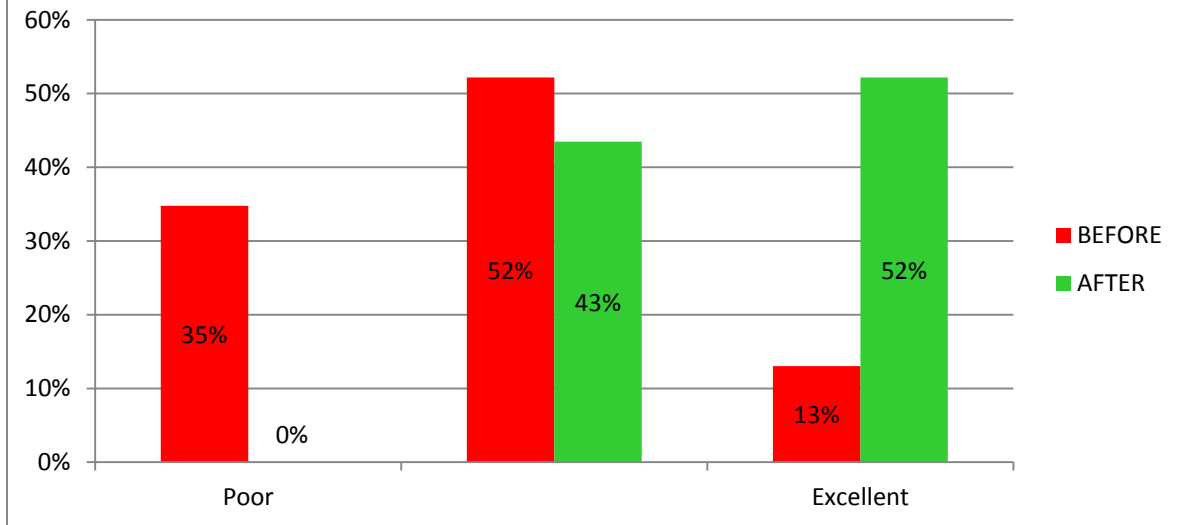
Monitoring of treatments



Identification of the greatest threats to achieving DFC/ Restoring Oak

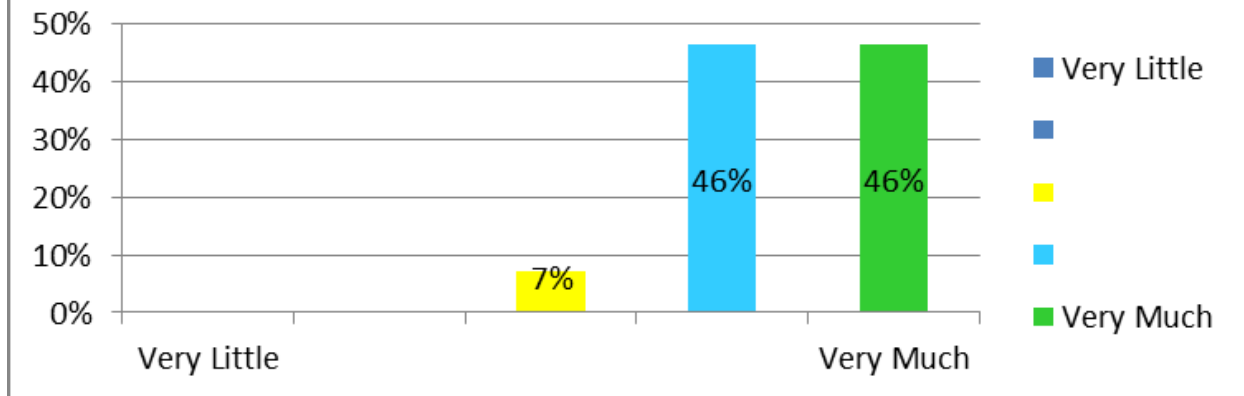


Assessing and Managing for impacts from disturbing sites

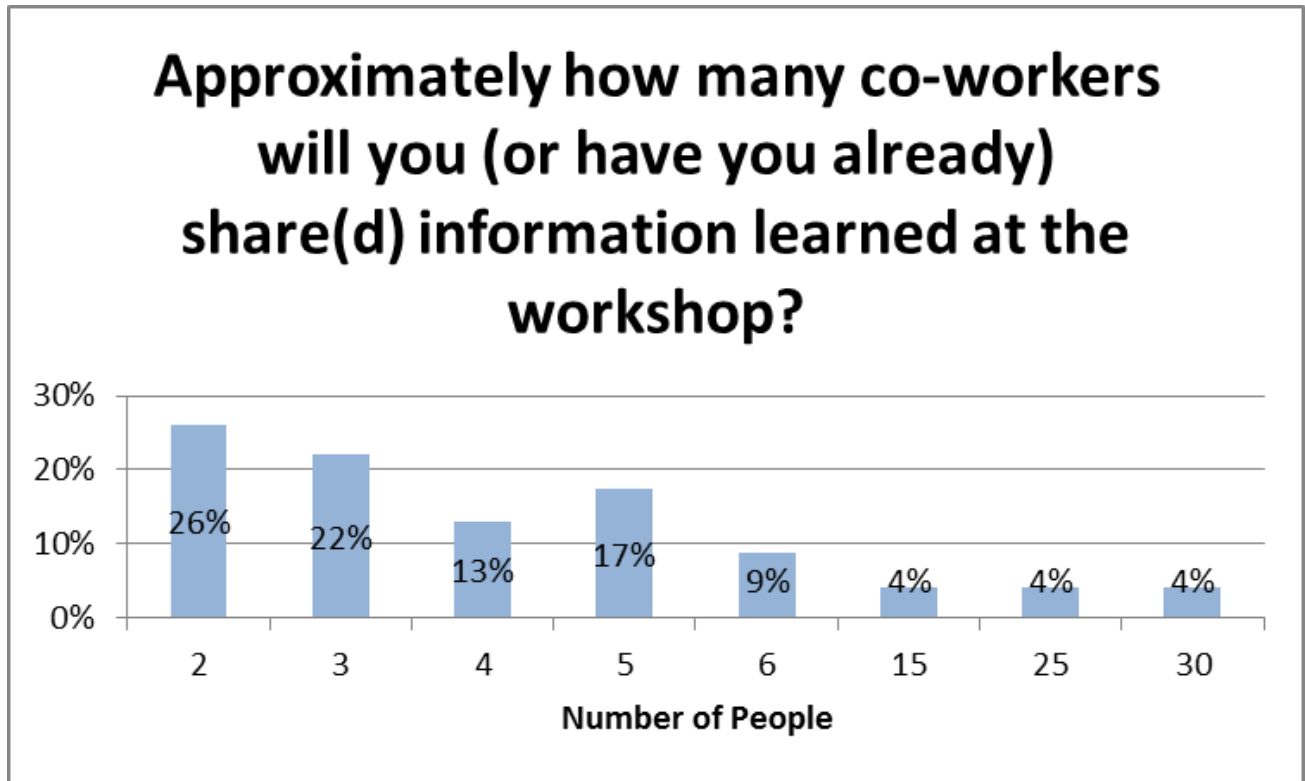


4. Did this workshop provide you with adequate resources to meet your Applied Science Information needs as a Land Manager?

Applied Science Information needs met...



5. Approximately how many co-workers will you (or have you already) share(d) information learned at the workshop?



6. Do you plan to make any changes or take any actions in your work based on this workshop?

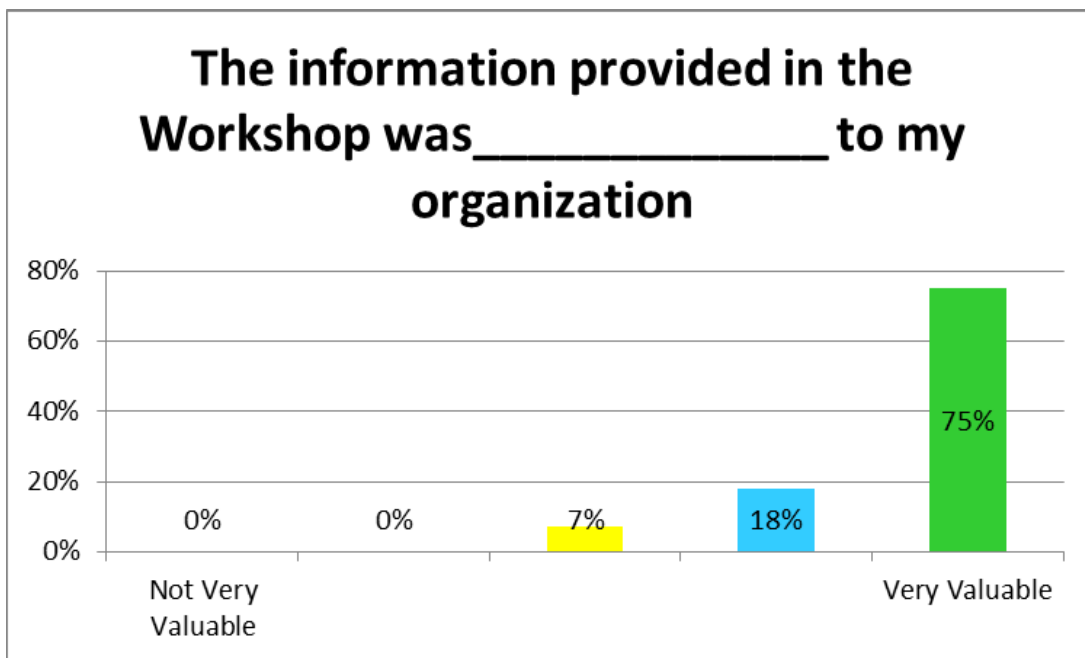
- Will put more effort into prompting dialogue with colleagues about monitoring and establishing more monitoring measures as we implement oak restoration projects.
- Pay more attention to acorn crops. Prepare understories so oak seedlings have room to grow.
- cut and spray red maple to help oak seedling in a red pine harvest, would have ignored maple before class
- have stayed away from cutting oak, since no knowledge on how to do it correctly
- Incorporate fire before and after timber harvests.
- Continue to be involved in program development and monitoring
- Need to take a closer assessment of where the oak stands are and the need(s) for either stand improvement and/or where we need to move toward to keep oak on the landscape
- Need better management process and organization (policy and procedure) to get to the monitoring and silvicultural aspect.
- More monitoring, waiting for the right time to do treatments....don't hurry just to do something.
- I would have said yes, but fire is limited by FRDs ability to burn for us.
- I learned a lot about oak forests in southern Michigan, the situation, the challenges, to better round out my firsthand knowledge of oak forests throughout the east. I also met a great group of managers and had a great time interacting with them. I have a better understanding of what practices are reasonable to them, where their knowledge level is at, and how I might better be able to contribute to oak management in Michigan. I thought the workshop was fantastic.
- After the workshop, I am more confident that burning and thinning can help bring back sites that I previously thought were too deep into the mesophytic abyss.
- I'll pay closer attention to some aspects of our sites, like amount of different size classes of regeneration in stands. May try to push for more understory removal/firewood sales in some areas.
- Treating oak stands with fire and herbicide to try and achieve oak regen
- We were already working on some observational trials and are now setting up some units to incorporate things learned at the workshop.
- We are looking at our game areas and deciding how to manage our oak with a better understanding of what the species needs are.
- Will definitely be more active in restoring oak sites in southern Michigan.
- 1. Sharing information with the other natural resource professionals that income in contact with 2. Putting on my own oak restoration workshop
- Budget more dollars for pre-harvest treatments such as herbicide and Rx fire
- Determine goals ahead of time and likelihood of accomplishing it. Do pre-treatments first to avoid pitfalls after.
- Take a more active role in perpetuating the oak resource when managing timber particularly when it comes to Rx fire.

- greater emphasis on fire, more caution to cut until we have a good understanding of threats to oak regeneration for a site and a future treatment plan established (in conjunction with monitoring)
- plan to change the way my division and region manages oak as a result
- Promote development of goal(s) and objectives leading to goals (desired future condition), and the monitoring and research to help adjust objectives and treatments during restoration and management. Also to promote use of prescribed fire, and make sure to use in different seasons, and to first determine desired fire effects and then backtrack those desired effects to the needed fire behavior and fire weather and seasonality, so that burn prescriptions can be drafted to meet objectives and the desired fire effects leading to DFC.

7. If your answer to Question 6 was “No” or “Not sure,” which best describes why?

- We have already been doing this type of mgmt. for years.
- We may know what to do but if it is not possible in the field, it doesn't change much.
- I would really like to be able to pass on this information to landowners looking to regenerate oak on their properties, but oak wilt is a serious problem in this county and no one was able to give a good answer on how to deal with that as a regeneration challenge or if fire exacerbates the spread of oak wilt, nor did they want to take it into serious consideration. This information was clearly aimed at managing DNR land and developing statewide regeneration strategies, which is frustrating for someone working locally with private landowners.

8. Overall, how valuable to you or your organization was the information provided by the Oak Restoration Workshop (1= Not Very Valuable, 5 = Very Valuable)?



9. We are planning to hold future Oak Workshops. What content and topics, geographies, and audience(s) would benefit the most from such future workshops?

- Would be valuable to see sites with repeated fire applications and those results compared to sites with less fire frequency.
- Visit oak regeneration successes and failures and discuss why these outcomes occurred.
- FRD in SL, NRCS office foresters, odma operatives, tree huggers generally, somehow make the long term benefit attractive to a short-term (political)culture
- I like the outside speakers and case studies would be great to have a handout that gave us something to take back on "how to cut Oak stands"
- Using herbaceous vegetation to understand historic cover types and basing management decisions based on the natural inclination of the community. Managing for ecosystem integrity as a method of improving habitat for game species.
- The whole state, particularly state and national forest land; impact of climate change on regional weather parameters; management vision/philosophy; monitoring.
- I believe what you have begun will be easily built upon for future workshops.
- Workshops on management process in general as it relates to oak mgt. along with treatment tracking and decision paths. Once folks know all there is to know about Oak Silvics and regeneration monitoring from other's experiences and literature, they'll still need to know how to get to that point in the overall management process within a consistent, periodic process through time across the SGA's and other landscapes.
- All
- Just about anyone. Everyone needs to hear that our Oak forests are in danger. Oaks are a big part of wildlife as well as consumer products! (Red oak is extremely important in the furniture industry!)
- Herbicide application to control mesophication.
- Consulting foresters, loggers, private land managers, etc.
- I would like to see future workshops focused more sharply on the ecological aspects of restoring specific oak systems, such as oak barrens and dry-mesic forests.
- Possible topic: How oak wilt and other forest health issues impact (or should impact) goals and management actions. Perhaps look at some SE LP sites next time. Maybe focus some time on managing oak savannas (barrens and openings)?
- Regeneration study / observation results Field tours of more mesic sites at different areas before and after photos, treatment notes and simple bio data would be interesting to see cross references with different treatments. Professional audiences. Maybe a savanna component.
- I believe the same type of audience is necessary but it would be nice to have some data backing up oak management in Michigan rather than speaking on behalf of what was done in other states. I realize this may take some time to accumulate but foresee it being very helpful in the future.
- landowners CD foresters industry foresters
- NLP foresters and biologist
- FRD folks need to hear this - especially fire specialists and foresters. Maybe do it at the RAM so it's closer for them. FRD needs to be much more involved in this - don't know why there wasn't more interest on their end. Maybe they have it all figured out??

- we need to get folks who make decisions in Lansing out to one of these just so that they can better understand our need to burn
- SILVAH training, SILVAH calibration, monitoring, and oak on Private lands, ecological considerations when managing oak, oak as a component in other systems.
- Another workshop that has a similar audience of land managers/biologists in NLP and in UP. Also a similar workshop but one that is geared for mid-and-upper-level management. Might be able to combine workshops and have all-levels employees attending to promote communication from bottom-up and top-down so that the overall "oak" goal is agreed upon at all levels and the long-term strategic plan is accepted.