

Indiana Invasive Species Council

Public Meeting

The Nature Conservancy Indiana Field Office
Efroymsen Conservation Center
620 East Ohio Street
Indianapolis, IN 46202-3811

September 26, 2012

1.1 MINUTES

Call to Order: John Jachetta called to order this meeting of the Indiana Invasive Species Council (IISC) at 10:08 am

1. Roll Call and Introductions:

- John Jachetta, Dow AgroSciences, Council Chairman
- Sandi Norman, Indiana State Board of Animal Health
- Phil Marshall, IN State Entomologist, Department of Natural Resources Division of Entomology and Plant Pathology
- Steve Yaninek, Purdue University, Rep for Dean of Ag.
- Kristopher Krouse, Shirley Heinze Land Trust
- Amy Cornell, Indiana State Department of Agriculture
- Eric Fischer, IDNR Aquatic Invasive Species Coordinator
- Bill Fielding, Indiana Dept. of Transportation
- Rick Haggard, Indiana Nursery and Landscape Association

Council Members not present:

- Philip Gramelspacher, Past President, Indiana Forestry and Woodland Owners Association
- John W. Williams, Director of Indianapolis Parks

Also present were:

- Lynn Dennis, The Nature Conservancy, IN Chapter
- Ellen Jacquart, The Nature Conservancy, IN Chapter
- Tom Tremain, The Nature Conservancy, IN Chapter
- Chris Gonso, IDNR Division of Forestry
- Kyle Daniel, Purdue University, Horticulture and Landscape Architecture
- Larry Bledsoe, Purdue University, CAPS
- Annemarie Nagle, Purdue University, Entomology

2. Adopt agenda and approve minutes from April 25th, 2012 public meeting

- No additional agenda items
- J. Jachetta calls for a motion to adopt old minutes, unanimously approved.

3. Old Business:

I. Council Appointments

- a. New council member is: John W. Williams, Director of Indy Parks
- b. Reappointment/New appointment letters:
 - Statute specifies that council members serve until someone is appointed in their place.
 - R. Haggard and J. Jachetta were only members to receive appointment letters this year.
 - Should we write a letter to governor now to ask him to reappoint/appoint?
 - A. Cornell—we may just wait and begin working on the transition?

- P. Marshall--we could ask Gov Daniels to complete a “small metric” before he leaves office
 1. J. Jachetta will draft a letter to this effect, will be reviewed by P. Marshall
 2. Council members who have gotten letters will scan them and send to A. Nagle for inclusion in minutes
- II. MOU follow up—Amy Cornell
 - a. Purdue requests that when we need legal review we work with Beth Siple, who will coordinate with legal counsel at Purdue and get back to us with info we need.

4. New Business:

I. Working Groups:

- a. J. Jachetta: Working groups are one of the most important elements of the council
 - i. Not sure they have the responsibility or accountability to get things done.
 - ii. In his experience managing organizations, it is the group’s meeting itself that spurs people to action, the fear of being unprepared attached to a specific date of a public meeting
 - iii. We can empower our working groups to make progress on their agenda by having additional discussions to focus accountability.
- b. Reviewing accomplishments of working groups
 - i. Amy Cornell: Strategic plan review

****See attached strategic plan for full list of tasks.**

 1. Plan is driven by enabling legislation
 2. Statute set out all the goals, so that was used in the strategic plan
 3. Many government agencies don’t have adequate staff or funding to address invasive species infestations, council will set out priorities for these agencies to strategize
 4. Council has identified DNR, BOAH, other agencies to carry out its recommendations
 5. Invasive species don’t know borders, so must work with many different agencies
 6. Task 5: Assist government agencies--this goal recognizes that state agencies have varied missions, there is the potential for conflict of interest/policies, council will help in review and streamlining of policies/procedures
 7. Task 6: Council has authority to ask for reports from agencies regarding recommendations
 - ii. Tactical plan—fits hand in hand with strategic plan.
 1. Identifies specific actions and projects that implement the strategic plan
 2. We need to think strategically about the Council’s sunset in 2015
 3. There are many open spaces in the legislature and we may need to educate them about what we are doing
 4. It is important to keep in mind that there will be many new faces in general assembly
 - iii. Legal council has reviewed strategic plan, if we make changes it needs to go back to Purdue for review.
- c. J. Jachetta
 - i. May be wise not to establish new working groups, since the extant ones are in varying degrees of activeness
 - ii. We should consider having an additional meeting in a month or so to develop a tactical plan that provides more explicit direction and makes specific assignments to bring the project forward
 - iii. S. Yaninek—The tactical and strategic plans are great, but we need to define who the other personnel are that will help us execute them, 5 or 6 weeks out calendars may be more flexible

- iv. J. Jachetta—Council members explore within individual groups for human resources that could assist, bring along to next meeting
- v. S. Yaninek is happy to host the meeting at Purdue, parking may be an issue
- vi. A. Cornell will coordinate meeting, will put info in the email about carpooling. (*Note: It was decided later in the meeting that the next full IISC meeting would not be held until March 2013*)
 - 1. Will be a working group meeting but involve everyone, will not be a public meeting so doesn't need to be advertised
 - 2. P. Marshall—perhaps we could hold the meeting at the extension building on 52, they have better parking
- vii. A. Cornell will set up a document sharing program to facilitate interactions from the working group meetings
- d. Invasive species advisory committees
 - i. E. Jacquart: Invasive plant advisory committee—Best management practices (BMPs)
 - 1. Tom Tremain—took on BMP project, will present it today and will also present an early detection, rapid response project
 - 2. Presentation by T. Tremain—
 - a. Why do invasive species matter?—High economic and environmental costs, management is \$120 billion/year, 42% of species on endangered species list are threatened as result of biological invasions
 - b. Bush honeysuckle—leads to decline in growth rate of trees by 50%
 - c. Why do invasives matter in IN?—Want to maintain historical species diversity, air, water soil quality, economic viability, costs of control rise exponentially if we wait
 - d. Where did the BMPs come from?—Wisconsin's BMPs used as example, IPAC discussed and distilled them, tried to simplify and eliminate duplication, decided to target IN agencies initially to provide feedback and advice
 - e. Invasive species BMPs top ten list: These are principles not rules, this is a starting point, the next step is implementing a pilot program with some key agencies in the state—have them implement, provide feedback for improvement ****See attached BMPs "Top Ten" List**
 - 1) Develop an organizational invasive species strategy (goals, objectives and priorities, tactics—policies, procedures, schedule regular assessments)
 - 2) Create and maintain an invasive species knowledge base—maps, reporting and mapping process for staff and users, documentation of control projects
 - 3) Think ahead—pre-plan land development or maintenance activities (avoid disturbing heavily infested areas, time disturbance when seeds not movable, pretreat, use existing roads)
 - 4) Use native plants and seeds—make sure they are from weed-free sources (appropriate for site and conditions, assure that species received is what was ordered, ensure new plants not contaminated, use trusted sources, ask for guarantees in source contracts)
 - 5) Use uncontaminated construction/landscaping materials (certified/guaranteed/trusted sources, request guarantees, create on site sources, monitor stock piles regularly)—*sourcing contracts are a great way for big corporations to incorporate BMPs*
 - 6) Keep tools, equipment, vehicles, clothing clean (require contractors to bring clean equipment, educate staff)

- 7) Have a long term plan for managing invasives (an ounce of prevention, prioritize locations and species, optimize treatment timing and techniques)
- 8) Monitor disturbed locations and high risk areas
- 9) Require contractors to follow BMPs (incorporate into contracts)
- 10) Educate recreational users and neighbors on invasive species BMPs (basic education, mechanism of reporting, provide cleaning stations at key entry/exit pts., regulate entry of infested material)

**One to grow on—actively look for funding opportunities, partners for dealing with invasives.

- f. IPAC's Recommendation: That the IISC endorses this list as a starting point for invasive species BMPs, and that the IISC recommends state agency involvement with a BMP pilot program.
- g. Pilot program outline:
 - i. Duration 1/1/13 to 12/31/14
 - ii. Requested participants: INDOT, INDNR, parks/properties on voluntary basis
 - iii. Deliverables requested:
 1. Implement 10 BMPs
 2. Identify a lead project manager
 3. Prep final report in early 2015 with:
 - a. General summary of overall value, obstacles
 - b. Specific comments and recommendations for each BMP and measurable impact
 - c. Barriers to implementation, explain why BMP may be impractical or why it was not implemented
 - d. Thoughts on additional BMPs
 - e. Specific recommendations on measuring results
 - iv. Other recommended responsibilities of IISC—Identify and procure resources to aid in implementation, schedule a 2015 meeting to hear results and recommendations
- h. Feedback and discussion—
 - i. J. Jachetta—How do we identify and provide resources to the state agencies? We don't really have any.
 - ii. Response by T. Tremain: There are grants available as sources for these agencies, the request for these grants may carry more weight if they come from IISC
 - iii. S. Yaninek—if these other agencies have already done the grant writing, they could pass the grants through the Council
 - iv. T. Tremain— Outlining the grant procedures is another agenda item to discuss in meetings with agencies. IPAC has had discussions with several of these agencies and they are already doing a lot for managing invasives
 - v. E. Jacquart—even if we can provide no additional resources, we can learn what is necessary to implement the BMPs from the feedback the agencies provide as they identify the resources they need.
 - vi. S. Yaninek—you could argue that implementation could save the agencies money down the road. Have you posed these ideas to any of the agencies already?

- vii. T. Tremain—we have met with DNR and INDOT once, we did not specifically discuss pilot program, but feedback was good, there was recognition that invasives were important and will impact them down the road, there was some reticence to take on additional tasks
- viii. E. Jacquart—there was a balance to that reticence in the meetings because some of the agencies would like to get credit for the BMPs that they were already implementing.
- ix. B. Fielding—some of the BMPs simply are not feasible because take too much time, things like equipment cleaning are already done regularly, things like certified sources of gravel is moot point because is put under asphalt, would like to get a letter from IISC for people to recognize that INDOT should be thinking about invasives
- x. S. Yaninek—It would be valuable to have some of the volunteer agencies involved in the discussion as well. For your second item, create and maintain an invasive species database, is there an element in there where you capture inventorying your available expertise?
- xi. J. Jachetta—there are a lot of reporting requirements (time consuming) written into the proposal, how will INDOT handle that requirement?
- xii. B. Fielding—We already report a lot, we could record the larger things like what we treat along with it. The small things like equipment cleaning would be too much to report. We already do inventories every year.
- xiii. T. Tremain—a lead person for the project would need to be specified, but it would probably not be a full time commitment, probably 8-10 hrs. per week
- xiv. E. Jacquart—perhaps develop a fill in report form for consistency, not a day by day accounting more of a summary under the bullet points (tactical plan as template) for the agencies to report with.
- xv. J. Jachetta—this is still pretty voluntary, but we can ask for a report
- xvi. P. Marshall—the monitoring and reporting is going to take a lot of work...this is where the grants can come in for hiring part time help for it, we may be able to tap into the state and private forestry grant proposals through Jack Seifert—it would be two years of funding. Farm bill funding might be another source for information/education funding. We need to have proposal in by Nov 1st for competitive allocation.
- xvii. T. Tremain—a request coming from IISC may carry more weight than a request thru div of forestry. Key points:
 - (1) Is the pilot program dependent on a grant??
 - (2) Is the council prepared to adopt these as starting point for IN BMPs??
- xviii. T. Tremain recommends that council takes this action even if these are not the absolute final BMPs.
- xix. P. Marshall moves that we accept this as a starting point draft. *This motion reflects the endorsement of list of BMPs, not necessarily the pilot program.*
- xx. A. Cornell—the BMPs can be separate from pilot programs, they can be used in other situations
- xxi. A. Cornell—IPAC's activities with coordinating the education on these BMPs fulfills the councils statutory goals.

- xxii. J. Jachetta—called for vote on adoption of list of BMPs, unanimously approved.
- 3. Letter and press release about BMP adoption
 - a. P. Marshall—we need to draft a letter announcing this, we should run a press release out of Purdue
 - b. T. Tremain—with a press release, we need to stress that this is an evolving process, not a mandate from above
 - c. E. Jacquart—Will need to put the BMPs on the IISC website, IPAC can work on draft of letter for J. Jachetta’s signature to send to targeted agencies
 - d. P. Marshall—the letter will be sent out to all council members for approval
 - e. A. Cornell—once all documents are ready, send them to Beth for posting on the website.
 - f. T. Tremain—we will need to consider the second question about the pilot programs too for including in the letter
 - g. Larry Bledsoe—Will there be other BMP lists forthcoming for invertebrates, fish, others invasives?
 - h. T. Tremain—our group tried to craft these principles in a way that they encompass all taxa, not just plants.
 - i. E. Jacquart—the bullet points under each of the general principles can be made more specific depending on audience involved. That is what happened with the Wisconsin document, they addressed every single agency and specific practices for them.
 - j. L. Bledsoe—the general public typically think of invertebrates as invasive, not necessarily plants...*include in the press release that these BMPs can be adapted to other invasive species and it is broader than just plants.*
 - k. S. Yaninek—Clarifying on how press release will be drafted...
 - l. E. Jacquart—T. Tremain and I will draft the letter announcing Council’s adoption of list of BMPs, it will go to the council for review, then someone else will take that letter and draft a press release from it. E. Jacquart and T. Tremain will stay involved with quotes, reviews, etc in the release
 - m. P. Marshall—quarantine regulations are often translated into BMPs, once quarantines are no longer in place, those regulations can be implemented as BMPs
 - n. A. Cornell—will these BMPs be for just plants?
 - o. J. Jachetta—no, these will be general invasive species BMPs. It will be up to the agency to tailor them for their own uses. We can also endorse the concept of implementing the pilot project in the state agencies, this is implied in the adoption of the BMPs.
 - p. T. Tremain—the letter does not necessarily say the agencies need to go out and find grants, it is the job of IPAC to work with the agencies to seek grant, but the actual grant request should officially come from the IISC.
 - q. J. Jachetta—my experience in grant writing is very minimal, T. Tremain and E. Jacquart have more experience, P. Marshall may have more too.
 - r. T. Tremain—another assignment then from the council to the IPAC is to work with the agencies to seek out funding sources and initiate grant writing.
- ii. Invasive plant species list project—E. Jacquart
 - **See attached Indiana Invasive Plant List**
 - 1. IPAC showed a preliminary list at last meeting.
 - 2. Requests for the council:

- 1) Would like the council to adopt the list with recognition that there will be additions/modifications over time,
- 2) Would like the IISC to recommend that agencies and land trusts adopt this list, and would like IISC to recommend to the appropriate agency that the highly invasive species be taken out of trade.
3. The invasive species list was mostly put together in 2000-2006 by IPSAWG, the names in bold are additions by IPAC
4. Asterisks next to the rank indicate that new info is added into the assessments; in some cases the new information that is available changed the invasion status.
5. Invasive species assessments are available in Google docs (from IISC website) and people can access and comment on them.
6. A big problem is that nobody tracks invasive plants in Indiana, so IPAC used data from several sources and layered them. (CAPS, IPSAWG, individual accredited reports), compiled maps for all 75 species
7. Added literature references as appropriate
8. Species in white at bottom of list are species that have been suggested to be invasive, but have not been evaluated yet., they will probably come out as medium or low when they are assessed, this is to recognize that this list is a work in progress
9. T. Tremain—the list you are asking the Council to endorse would not include those species that have yet to be evaluated?
10. E. Jacquart—Correct. It would only include the list of evaluated species, might include some as a “caution”, but the list would be a work In progress. One of the limitations in listing new invasive plants is the lack of specific information; we have worked with other states who have already assessed them to get the information faster.
11. S. Yaninek—the Google documents are public access. How are the maps managed?
12. E. Jacquart—it is an Arc Map project, when we need to update the maps we call up the project people here. The reporters are a suite of about 15 botanists—it is a first person report by someone who has experience with a species.
13. P. Marshall—when it gets down to regulatory issues, the first county finds need to be confirmed by my staff
14. E. Jacquart—that is one of the challenges because there is not a protocol or a single identifying authority
15. P. Marshall—is the scientific process that is used in evaluating these species available? If so I can take the process used and put it in the code for creating quarantines
16. E. Jacquart—Changes made to the assessments have been approved by the original IPSAWG assessment committee. One thing we haven’t tackled is the economic value of the species, the IPAC doesn’t have that expertise. All we did then was to rank it, and recognize that a cost benefit analysis would have to happen with other people involved. ***The official plant list doesn’t have any regulatory authority and is solely based on the biology of the species on it.*** When you start considering regulating species in trade, there are other considerations. This list, on its own, has no regulatory authority. This list will function as cross agency recommendations and will be recognized as “the list” of invasives of concern, regardless of the agency’s stance on it.
17. R. Haggard—we were discussing presenting this list as a round table discussion at the Green Industry Expo, with the council and P. Marshall as regulatory official at the round table
18. J. Jachetta—this is posted on our website already, do we need to vote to approve it?

19. E. Jacquart—I would like to post this as THE invasive plants list for Indiana, officially
 20. K. Daniel—will there be a yearly review of the list?
 21. E. Jacquart—yes we will do a yearly re-evaluation to make changes as needed
 22. Public education about these invasive plants is very important, public often doesn't realize that certain species are bad or invasive.
 23. J. Jachetta—this is currently an educational effort, but by requesting that we recommend this list to the regulatory state agency would have regulatory implications
 24. **J. Jachetta MOTIONS to establish this as the IISC's OFFICIAL list of invasive plants for the state of Indiana. Motion was seconded by Kris Krouse, unanimously approved.**
 25. S. Yaninek—I like A. Cornell's idea of whenever the council makes an action it fulfills one of our statutes
 26. A. Cornell—we are a conduit for individuals, agencies, industry, all parties to come together and talk about these issues, but our primary role is science based recommendations
 27. J. Jachetta—these assessments are actually very scientifically conservative.
 28. E. Jacquart—IPAC is not recommending that eradication efforts be implemented for any of these plants, even for the regulated ones.
 29. E. Jacquart will draft a letter regarding Council's adoption of Indiana Invasive Plant List as its' official list for Indiana. Letter will be submitted for council approval, and will go out to DNR Commission, DNR Council, state agencies, land trusts, soil and water conservation districts, and INLA for inclusion in newsletter.
 30. E. Jacquart—will the council then recommend to the appropriate state agency to pass a rule to ban these species from trade?
 31. P. Marshall—one thing that we have done with the aquatic invasive plants is looking at the risks and expenses involved when these things are moved by trade. Need to demonstrate an economic impact in order to justify banning it. Also need to consider how much of the public, landowners etc., are complaining? This public support is another reason to put the rule in place. Also need to decide what the regulatory action will be.
 32. T. Tremain—perhaps the Council's recommendation should be to ask the appropriate state agency to figure out a process for taking these species out of trade
 33. P. Marshall—we have to do a fiscal impact, maybe we can consider doing a non-rule recommendation
 34. J. Jachetta—we can easily create a list for educational purposes, but recommending regulatory action is difficult
 35. **Per IPAC's request, the Council recommends to the appropriate state agency that they evaluate whether highly invasive plants should be taken out of trade.**
 36. E. Jacquart--the Council's recommendation is made and I will incorporate that into the letter
- iii. Early detection and rapid response—T. Tremain
1. Obviously early detection of invasives is very important
 2. There are many different ways to handle detection, mapping, and reporting of invasives in IN, most are specific to individual species of concern
 3. Aquatic invasives are reported to E. Fischer, P. Marshall has 1-866-no exotic, CAPS has own reporting system, also some new technologies with smartphone apps to report invasives
 4. There should be a single reporting process across all taxa
 5. Have discussed need for effective awareness, education campaigns, people should be informed about reporting strategies
 6. There needs to be a recruiting and training process for reporters

7. There needs to be a central facility established to triage reports
8. IPAC recommends the IISC puts together a summit conference in order to come up with a process for early detection/rapid response for invasives in IN.
 - a. Perhaps a 2 day conference, day 1 is info sharing by involved agencies that have role in mapping/reporting invasives, day 2 is brainstorming session for developing central reporting system.
 - b. IPAC recommends that the IISC task someone to organize and put together a conference that would focus on early detection and rapid response for invasives.
9. E. Jacquart—we have a lot of the pieces in place for a centralized system. In order to get grant dollars we need a compelling product. This could be the product that is the impetus for getting an administrator hired for the council to help us get our work done.
10. J. Jachetta—have you looked at other states to see how they have structured similar systems?
11. T. Tremain—yes, that is part of the idea behind the conference, we could bring some other people in from other states to help us
12. J. Jachetta—we would probably need a way to pay their way into the meeting
13. E. Jacquart—this initial conference would be an idea sharing meeting to review what info is out there and identify the current processes in place and their effectiveness. We can start by getting the info together on what reporting is happening in Indiana, we just need to get the people in the same room to figure out what detection/reporting systems are already present.
14. A. Cornell—it's almost more like a big round-table...a big two day discussion and information sharing group
15. E. Jacquart—the information may come in the form of presentations by the various conference attendees on their detection/reporting systems
16. T. Tremain—then we would hope to get some recommendations from the council as to how to move forward in implementing a central reporting system
17. E. Jacquart—the group we are talking about would probably be 20 or less.
18. P. Marshall—this may meet one of the 5 goals in the farm bill...we would have to evaluate the deliverables that would come out of this meeting. Farm bill money is one year, so would be ideal for this project.
19. J. Jachetta—if you are looking for council approval, we will need a meatier outline of individuals that need to be there, along with an outline of the various presentations and speakers
20. T. Tremain—we were looking for involvement of the Council in this process
21. S. Yaninek—this is exactly the sort of thing that the council needs to be involved in because you've identified something that is clearly lacking in the state. But there are things that could be done in the interim...like establish a working group to address the questions that you bring up, to evaluate the reporting procedures that are around. I am uncomfortable with going from this need to hosting a conference on the subject
22. A. Cornell—what if we removed the deadline
23. J. Jachetta—I would still want to have a real proposal or agenda before making a decision. Perhaps the conference working group can help with this.
24. J. Jachetta—I think that this could very well be included in the tactical plan at the least. A more thorough proposal is needed. Can we develop a working group to assemble these thoughts?
25. K. Krouse—maybe this will give our required conference component some teeth. Perhaps this is where we bring in some expertise, where we gather resources and strengthen what the council is doing. In years to come we can build on the concept...do early detection and rapid response first, two years from now another important topic.
26. J. Jachetta—there are two types of conferences...those that establish communications and fellowship between researchers, etc, and those that are

based around a specific objective...which would bring us forward...the individuals on the conference committee are J. Jachetta, K. Krouse, E. Fischer, P. Marshall, E. Jacquart, R. Haggard, and B. Fielding.

27. A. Cornell-Do we want early detection and rapid response to be the topic for our first conference?? **I move that the conference subcommittee explore rapid response early detection as first conference topic. P. Marshall seconds it. A vote was put out by J. Jachetta, and was unanimously approved.**
28. S. Yaninek-will the conference working group address organizing this or will it be a different committee?
29. J. Jachetta—the group will develop a suggested agenda for the conference and a suggested list of speakers with the goal of developing a system for reporting and rapid response in Indiana, it will be the conference working group that handles it
30. K. Krouse moves that we add T. Tremain to the conference working group.
31. J. Jachetta will pull together a meeting of the working group, will probably do it at Dow AgroSciences
32. S. Yaninek-I also would add the Purdue cooperative extension service
33. P. Marshall—the earliest target date would probably be July

II. Approval of Strategic Plan Document

- a. A. Cornell—we need to vote on the strategic plan document as the final strategic plan
- b. **S. Yaninek moves to adopt, P. Marshall seconds. J. Jachetta calls for a vote, unanimously approved.**
- c. A. Cornell will work with Beth York to get the Plan put on IISC website

i. Aquatic invasive advisory committee—E. Fischer

1. The aquatic rule did pass, the council approved the letter in support of the document in the last meeting
2. All comments received (14) were positive
3. Rule took effect Aug. 31st, there was a press release and DNR sent out ~3,400 letters to nurseries and aquarium stores, also sent emails to online vendors and national vendors notifying them of the rule, the responses were quick and generally good
4. Received confirmation from 48 of the online vendors that they are no longer supplying the species on the list
5. There were a couple negative vendors, some negative press in the Indy Star.
6. P. Marshall—we are not implementing inspections immediately, are approaching more from a cooperative standpoint. Will take 2-3 years to get everything in working order
7. Other taxa—snakeheads, etc.? There is a restriction on snakeheads coming into the state, a lot of reports of snakeheads are misidentifications
8. T. Tremain—what is the process for updating the “black list” of aquatic species
9. P. Marshall—have to go through rule-making process, might be able to pull previous fiscals to see if data is still current to expedite updating. My strategy is to have the fiscal analysis 100% complete by the time the rule goes to preliminary, where they can make any changes to the rule. We went with two rules for the aquatics, one for restricted and one for prohibited species, we were told to combine them into a single rule.

ii. Communications and website

1. A. Nagle—I have not worked with the new web designer on the website
2. S. Yaninek—We have hired a web designer since May
3. E. Jacquart—he is good to work with for the posts that I have had to make
4. Larry—whenever the plant list is distributed the link for the website should be included

5. A. Cornell—Annemarie can you check with the web designer to evaluate the metadata so that the IISC website is more prominent in Google searches.
- iii. Data collection and management—Larry Bledsoe
 1. Have looked at resources across Indiana and compared them to neighboring states
 2. We have 12 institutions that represent 20 collections of plants/inverts/ etc and only about 3 of them are searchable online, most are digitized though
 3. In Illinois, there are 9 institutions but there are 10 million specimens searchable online, even though Illinois has fewer fiscal resources than IN
 4. In Illinois, the Morton and other orgs are working in tandem to consolidate their resources and make them all accessible
 5. We need a database to serve as a central hub, we have CERIS that specializes in bringing databases together, have discussed with them how the infrastructure could be set up
 6. We have been trying to do something on a smaller scale with insect collections, but it is a huge effort, difficult to get funding for
 7. Within a year or so the working group will have a document to act as a guide for this.
 8. It will cost multiple millions to digitize collections and database formations
 9. 5 million dollars to digitize invert collections in 9 institutions
 10. The biggest obstacle is financial resources, however the need for a unified database is very high.
 11. We do not have the ability to connect or identify institutions that would have invasive species information
 12. Perhaps a proposal can be presented in a year.
 13. S. Yaninek—there are levels here. Answers to some questions, like what resources (collections) are available in the state, can be found before that one year date.
 14. L. Bledsoe—CERIS has the capability to adapt any database we identify
 15. S. Yaninek—there is also value in having a list of resources, and intermediate steps between now and database creation
 16. Some databases are highly protected and not in any way publically available, this would be understood in the united database
 17. E. Jacquart—I think this is an important proposal to move forward...this has been a longstanding interest in the Indiana academy of sciences, they have not gotten that going, but it is an important connection to make. Particularly Ron Helmack at Notre Dame.
 18. J. Jachetta—we will put you on the agenda for this year’s upcoming IISC meetings, and you can lead a discussion on where this project needs to go in the upcoming year
 19. L. Bledsoe—I have a working list of collections available for use...there are research, museum, and also databases such as NAPIS (targeted regulatory species) and NPDN
 20. L. Bledsoe—I also came across the Midwest Invasive Plant Network, which has a mechanism for uploading photos and locations of invasive plants, then a map is created
 21. E. Jacquart—that is a great, grant based project, it consolidates invasive plant information from multiple sources...it should be included in the round table discussion, the more it is used the more valuable it is
 - iv. Education and outreach portfolio—Sandi Norman
 1. Presented at PIO [Public Information Officer] brown bag luncheon, thought it was a great idea, but would need a package of information that could be distributed by PIOs at events
 2. PIOs are in need of a deliverable, and also contacts for the media to talk to about the issues

3. March 3rd-8th is national invasive species week. Lori Williams runs this from the National Invasive Species Council
 4. J. Jachetta will ask Lori Williams and National Invasive Species Council about materials that might be available for use during invasive species week that he can provide to S. Norman.
 5. A. Cornell—it would be best to have the message and materials coming directly from the council, we should produce the materials
 6. T. Tremain—The EAB campaign from an awareness standpoint was very successful...we could use this as a model for our messaging.
 7. P. Marshall—there was a lot of multistate effort on that. One of the biggest drivers for that message was the quarantine because it made it against the law to move things. Its biggest role was educational.
- III. Farm Bill update—P. Marshall
- a. Has not seen anything come through on applications. It may be winter before we do that, 2012 is in place but we are working on next cycle
 - b. One of the goals qualifies for information education
 - c. It is a competitive process, there was 1500-1600 applications last year, scoring system does not always work
 - d. It is \$50 million/year, distributed through various goals
 - e. P. Marshall will be looking at that for opportunities to get money for the conference or other initiatives.
 - f. There is one year to spend money, with no extensions. The money is appropriated, but whether they will allocate it out still remains in question.
 - g. There is no match on the money
- IV. Pulling together initiatives—E. Jacquart
- a. It was a short turnaround for the application deadline
 - b. We were missing a compelling deliverable
 - c. This led to the brainstorming of the projects that could be taken on using a person that could also help to do administrative duties for the council
 - d. These are generally matching funds, but often allow in kind match
 - e. The council has the authority to receive grant funds in general, but will need to make sure the council represents an allowable grantee
 - f. J. Jachetta—can ask National Fish and Wildlife Foundation during invasive species week to inquire about funding opportunities
- V. Council presentations in 2012
- a. Each member and affiliate should E-mail their list of invasive species presentation titles and authors to J. Jachetta
 - i. Perhaps there could be a template on the website where we could input the presentations made by the members (who presented, title of project, one sentence summary of presentation, number of man hours, how many people presented to)
 - ii. Nagle will work with Purdue web designers on creating a template on IISC website where council members could input info on the presentations made by the members (*who presented, title of project, one sentence summary of presentation, number of man hours, how many people presented to*)
- VI. Emerging invasive species issues—P. Marshall
- a. Thousand Cankers Disease of Walnut—external quarantine on walnut from TN VA PA and all western states
 - i. 100 walnut twig beetle traps all over Indiana
 - ii. Training citizen volunteers on TCD, EAB, ALB identification
 - iii. Trained nature preserves on TCD ID
 - iv. If logs enter an infested state they need a compliance agreement to come back into IN
 - v. One mill in S. IN brings in veneer logs from CA for Mercedes Benz
 - vi. *The purpose of the survey is to verify no occurrence in the state*
 - b. Emerald Ash Borer—
 - i. will probably retain quarantine for another year, 13 counties still remain outside of the quarantine

- ii. Aphis experienced huge budget cuts, so did away with all permitting
 - iii. Eventually worked out that APHIS maps had to designate protected areas of Indiana and Ill.
 - c. Sudden Oak Death—there is one nursery in IN that tested positive, it was tested as a prenotification, are working on tracing where plants sold at that nursery have gone
 - d. Asian Longhorned Beetle—not found here yet, but is in Cincinnati and very close
 - e. Spotted wing drosophila (L. Bledsoe)—it is in Michigan, very aggressive pest of berries, grapes, suspect that it is in IN but has not been detected yet, but is very widespread and too well ensconced to eradicate it
 - f. Gypsy moth—counts are down this year, will probably not do any treatments next year
 - g. Kudzu—treating most of the sites, have been working down at the zoo to get the infestation taken care of...P. Marshall's staff have been trying to get the city to deal with eradicating it, with T. Tremain's help they have gotten the city to start dealing with it. There is an environmental assessment document present on the DNR Entomology and Plant Pathology website. Contracts do involve erosion control.
- VII. Frequency of meetings (J. Jachetta)
- a. Is a spring and fall meeting enough to accomplish goals of council?
 - b. S. Yaninek—the working groups tend to be the engines of the council, but some tasks require whole council. Perhaps need to identify an additional meeting?
 - c. J. Jachetta and P. Marshall suggest 3 meetings at 4 month intervals, plus a near-term tactical meeting?
 - d. E. Jacquart—6 months is a long interval to wait to bring working group's work back to the council
 - e. **J. Jachetta requests a vote and motion for 3 meetings a year, approx. 4 months apart. Unanimous approval from council.**
 - f. A. Cornell—we need six for a quorum
 - g. P. Marshall—it may be good to have a meeting in July, one in late Sept/early Oct, and one in March
- VIII. Other topics
- a. S. Yaninek—our new member from Indianapolis Parks is John Williams, perhaps the Council should write him a letter of welcome and reminder that he should attend meetings.
 - b. Next meeting will be in March.
- IX. Meeting adjourned at 2:38pm.

Action Items:

- a. J. Jachetta will draft a letter to Gov. Daniels asking him to complete a "small metric" to appoint/reappoint council members before he leaves office. The letter will be sent to P. Marshall for review and approval.
- b. Council members who have received appointment letters will scan them and send to A. Nagle for inclusion in minutes.
- c. E. Jacquart and T. Tremain will draft a letter to target agencies announcing Council's adoption of BMP list. **Include verbiage explaining that this is a general list, adaptable to other invasive species other than plants. Letter will be circulated for approval by council before being signed and sent out.**
- d. After the above letter's approval, a press release will be drafted (A. Nagle, S. Yaninek, Purdue Ag. Comm. Staff). E. Jacquart and T. Tremain will stay involved with quotes, reviews, etc in the release.
- e. IPAC will work with the target agencies (state and private) to seek out funding sources and initiate grant writing.
- f. E. Jacquart will draft a letter regarding Council's adoption of Indiana Invasive Plant List as its' official list for Indiana. Letter will be submitted for council approval, and will go out to DNR Commission, DNR Council, state agencies, land trusts, soil and water conservation districts, and INLA for inclusion in newsletter. *The letter will also include that the Council recommends that the*

appropriate state agency should evaluate whether highly invasive plants should be taken out of trade.

- g. J. Jachetta will organize a meeting of the conference working group (J. Jachetta, K. Krouse, E. Fischer, P. Marshall, E. Jacquart, T. Tremain, R. Haggard, and B. Fielding). The group will explore early detection and rapid response to invasive species in IN as the first conference topic. The group will develop a suggested agenda and a suggested list of speakers for a conference with the goal of developing a system for reporting and rapid response in Indiana.
- h. A. Cornell will work with Beth York to get the approved Strategic Plan placed on the IISC website.
- i. A. Nagle will work with Purdue's web designer to evaluate the website metadata to make it more prominent in Google searches.
- j. J. Jachetta will ask Lori Williams and National Invasive Species Council about materials that might be available for use during invasive species week that he can provide to S. Norman. It would be best to have these materials in a form that we could adapt so they appear to be directly from IISC.
- k. P. Marshall will be looking at next year's Farm Bill for opportunities to get money for the conference or other initiatives.
- l. All council members will email records of invasive species presentation titles, authors and if possible, abstracts, that were made in 2012 to J. Jachetta.
- m. A. Nagle will work with Purdue web designers on creating a template on IISC website where council members could input info on the presentations made by the members (*who presented, title of project, one sentence summary of presentation, number of man hours, how many people presented to*)
- n. J. Jachetta will write a letter to new council member welcoming him and reminding