

Indiana Invasive Species Council Public Meeting Minutes-Final

Monday, September 14, 2015, 10:00 AM to 3:30 PM EDT

William H. Daniel Turf Grass Research and Diagnostic
Center 1340 Cherry Ln, West Lafayette, IN 47907

1. Welcome to IISC participants, introductions and announcements – Kris

Krouse Council members present:

- ◆ Kristopher Krouse, Executive Director, Shirley Heinze Land Trust kkrouse@heinzetrust.org
- ◆ Bill Fielding, representing Indiana Department of Transportation wfielding@indot.in.gov
- ◆ Craig Bowen, representing Indiana State Board of Animal Health cbowen1@boah.in.gov
- ◆ Phil Marshall, Terrestrial Invasive Species Coordinator, IDNR Division of Entomology and Plant Pathology, Department of Natural Resources pmarshall@dnr.in.gov
- ◆ Steve Yaninek, Head of Department of Entomology, Purdue University, representing the Dean, College of Agriculture, Purdue University yaninek@purdue.edu
- ◆ Philip Gramelspacher, Past President, Indiana Forestry and Woodland Owners Association pgramelspacher@insightbb.com
- ◆ Heather Reynolds, Associate Professor, Indiana University hreynol@indiana.edu
- ◆ Mike Warner, Certified Forester at ArborTerra mwarner@arboterra.com
- ◆ David Bausman, representing Indiana State Department of Agriculture dbausman@isda.in.gov
- ◆ Rick Haggard, Executive Director, Indiana Nursery and Landscape Association haggard@att.net

Council members not present:

- ◆ Eric Fischer, Aquatic Invasive Species Coordinator, IDNR, Division of Fish and Wildlife efischer@dnr.in.gov
- ◆ John W. Williams, City of Indianapolis, Department of Parks and Recreation john.williams@indy.gov

Other attendees:

- ◆ Eric Bird, Shirley Heinze Land Trust ebird@heinzetrust.org
- ◆ Kallie Bontrager, IDNR Nursery Inspector kbontrager@dnr.in.gov
- ◆ Kyle Daniel, Purdue University Nursery & Landscape Outreach Specialist daniel@purdue.edu
- ◆ Lynn Dennis, Director of Government Relations, Indiana Chapter of The Nature Conservancy ldennis@tnc.org
- ◆ Songlin Fei, Purdue Forestry & Natural Resources sfei@purdue.edu
- ◆ Kalli Fredrickson, Purdue Forestry & Natural Resources kfredri@Purdue.edu

- ◆ Charlotte Freeman, Purdue Forestry & Natural Resources
freemac@purdue.edu
- ◆ Chris Gonso, Indiana Dept. of Natural Resources-Forestry
egonso@dnr.in.gov
- ◆ Ellen Jacquart, Director of Northern Indiana Stewardship, The Nature Conservancy, IN Chapter
ejacquart@tnc.org
- ◆ Zhao Ma, Purdue Forestry & Natural Resources
zhaoma@purdue.edu
- ◆ Jeff Cummings, Indiana State Department of Agriculture
jecummins@isda.in.gov
- ◆ Jeff Dukes, Purdue Forestry & Natural Resources
jsdukes@purdue.edu
- ◆ Liz Jackson, Purdue Forestry & Natural Resources
jackson@purdue.edu
- ◆ Chip Blatchly, Purdue Civil Engineering
blatch@purdue.edu
- ◆ Larry Bledsoe, State Coordinator, Indiana Cooperative Agricultural Pest Survey, Department of Entomology, Purdue University
lbledsoe@purdue.edu

2. Presentation of meeting agenda and previous meeting minutes.

- ◆ September 15, 2015 meeting agenda accepted without amendment.
- ◆ March 6, 2015 meeting minutes presented for approval-no discussion; motion to approve minutes by M. Warner, 2nd by H. Reynolds. Motion approved.

3. Old business: Council Updates

- ◆ Craig Bowen introduced as Council representative of Indiana Board of Health.

4. New business:

◆ Invasive Plant Species Advisory Committee

a. Terrestrial Invasive Plant Rule Update– P. Marshall

- Details and questions regarding the economic analyses of rule are still being considered, particularly impact of the restriction of popular species such as Norway maple and callery pear.
- Varieties and hybrids of species will be subject to the proposed rule.
- Details of phasing the rule gradually to allow reduction of nursery stock are being developed.
- Outreach to the nursery industry is occurring, e.g. presentations at Green Expo.
- Landscape architectural industry needs to be informed and /or invited to conference call, informational meetings.
- Estimate of preliminary adoption of the rule is about January 2016.

b. Best Management Practices Pilot Project Update – E. Jacquart

- A written report was submitted to the Council that summarized a voluntary pilot BMP program involving five state agencies and one public organization that was intended to “reduce the introduction and movement of invasive species” during land management activities.
- **Action item.** This summary report and the individual reports of the participating land managers will be added to the IISC web site.

- Summary of findings and discussion include:
 1. All entities report lack of resources to fully implement the BMPs.
 2. All entities understand the importance of BMPs to reduce impact of invasive species, but practicality, inconsistent policies, and a sense of futility limit implementation. Stronger message is needed. Recommendation is for IISC to become formal member of the Play-Clean-Go education and outreach program (University of Minnesota Extension).
Action Item: M. Warner motioned that IISC become a partner with the Play-Clean-Go program to increase public awareness of invasive species and volunteered take action to formally join the campaign. Motion 2nd by H. Reynolds. Motion accepted.
 Next step after the IPAC brochure is completed, the next step should be a series of fact sheets targeting top 10 priority species to be distributed to land managers.
 3. Detection of invasive plants was limited due to lack of knowledge/recognition of invasive plants. Contrasting exceptions were generally good survey and recognition of insects and plant pathogens.
 4. Reporting and mapping of invasive plants are hampered by lack of unified (shared) database. Recommendation is to use the “ReportIN” database for state agencies and public organizations.
-Action Item: Create a ‘bullet’ list of findings and recommendations from the BMP survey summary and individual reports as a resource for Council members and for the current development of the Indiana State Department of Agriculture strategic plan.

c. Report IN Progress Update – Ellen Jacquart

- Site was live in August 2014, Indiana State Fair.
- Smartphone app and internet webpage available for records upload
- Indiana was 10th in the number of records submitted after 12 months online.

♦ Midwest Invasive Plant Conference Ad Hoc Committee – E. Jacquart

- MIPN Invasive Plant Symposium & Conference in collaboration with the North Central Weed Science Society Hyatt Regency Hotel, Indianapolis, IN. December 9-10, 2015
- Working group (E. Jacquart, S. Yaninek, H. Reynolds, M. Warner, and K. Krouse) asks for input in developing symposium program. Need immediate response.
- Council can promote the conference by forwarding registration and agenda as they are received to appropriate industry contacts.
- Discussion regarding IISC at participation at conference. E. Jacquart suggested the IISC banner could be displayed. E. Jacquart recommends that IISC provide “welcome comments” to conference plenary session? No resolution or volunteer.
- **Action item:** E. Jacquart will be liaison to the North Central Weed Science Society/MIPN meeting planning committee.
- S. Yaninek requests that the Council reform the ad hoc conference committee to assist the planning committee.
- Krouse requests volunteers. Respondents are Ellen Jacquart, Steve Yaninek, H. Reynolds, M. Warner, K. Krouse.
- S. Yaninek makes motion to appoint E. Jacquart as planning committee chair. Motion 2nd by P. Marshall. Motion approved.
- Question from floor: S. Yaninek asked how IISC communicates at the local level? Discussion results: method is unknown. **Action item;** S. Yaninek will investigate how Purdue CES could be involved in information dissemination.

- ◆ Invasive Advisory Committee – Eric Fischer
 - No report/no discussion.
- ◆ Updates from Working Groups
 - a. Tactical Plan Update – Phillip Marshall
 1. No modifications to Tactical Plan since last meeting. Discussion followed of current plan development and the applicability/appropriateness of current plan.
 2. K. Krouse suggested that a review/update of the plan is needed. **Action Item.** P. Marshall will initiate a council conference call to begin the process of updating the plan. Working group includes K. Krouse, D. Bausman, P. Marshall, (John Baugh “volunteered” by P. Marshall), H. Reynolds, and R. Haggard. Call is scheduled for 17 September 2015 11:30 am. (Also, see section regarding IISC Legislative and Funding Update below, page 6, paragraph “e.”)
 - b. Communications, and Website – Steve Yaninek and Larry Bledsoe
 1. Webmaster resides at Purdue. Please send any information (announcements, Powerpoints, webinars, etc.) to S. Yaninek or L. Bledsoe. S. Yaninek will be the arbiter for inclusion of material to the web site.
 - c. Education and Outreach – Mike Warner
 1. **Action Item.** M. Warner volunteered to develop an IISC informational booth at the Midwest Invasive Plant Network conference at North Central Weed Science Society annual meeting. Asked if any funds are available. S. Yaninek stated that four to five thousand dollars remain from the previous EDRR conference held at Purdue, October 2013, and that the disposition of the funds is at the discretion of the IISC Chair. S. Yaninek will determine the process to retrieve the funds if needed.
 2. Discussion of other possible IISC outreach venues include Indianapolis Home Show and the Indianapolis Flower and Patio Show. No resolution.
- ◆ Emerging Invasive Species Issues and Updates – Phil Marshall.
 - Spotted Lantern Fly (Not known from Indiana-primary concern is grape industry)
 - Giant Hogweed (new potential site)
 - Hemlock wooly adelgid
 - Emerald Ash Borer (quarantine removal soon)
 - Tar spot on corn (new to Indiana, non-regulatory).
 - TCD/walnut twig beetle (details of southeast Indiana find and survey actions)
 - *Spirea* leafspot virus in Indiana.
 - Gypsy moth (infestation at West Lafayette, Purdue Campus still active)
 - Sudden Oak Death (no detection in 2015).
 - Recommendation from E. Jacquart to add link to IISC website to direct inquires to Indiana DNR invasive species page.
- ◆ Invasive Species Conference for Indiana Discussion
 - Questions with debate; should conference format include any invasive taxum (vertebrate, invertebrate, plant, pathogen)? Should there be published proceedings/abstracts/ no resolution.
 - Questions with debate: what is the anticipated meeting size and scope? This could be a very large conference. Does IISC have the expertise/logistics to organize a large-scale conference? Could IISC partner with Indiana Academy of Science in some way to handle meeting details, collecting registration fees, etc? Could IISC partner with Green Expo? no resolution.
 - Time frame 2017? This would be within next IISC 2-year cycle when some type of conference would be expected. If meeting is in 2017, then planning should begin soon.

- Potential themes could be:
 - a. Promoting collaboration of nursery/forestry industries with state and academic research.
 - b. Highlighting practical tools and information for implementing Best Management Practices.
- INDOT participation would be expected to be low (W. Fielding)
- **Action item.** There was informal agreement that an IISC-coordinated invasive species conference be added to next agenda for further discussion.

◆ Presentations on Invasive Species Activities – Purdue University

a. Purdue Survey Summary and Introduction of Speakers – Steve Yaninek

- Results of a survey of invasive species interest/ activities/research capacity at Purdue University were reported of the schools of Agriculture, Engineering, and Veterinary Sciences. Responses were received from the departments of Agricultural Economics (1), Entomology (14), Forestry and Natural Resources (12), Food Science (1) and Environmental/Ecological Engineering (2), and Veterinary Science (2). No response from Botany/Plant Pathology and Horticulture although some activity is known.

b. Purdue Climate Change Research Center

Jeff Dukes – Director of Center and Professor with Dept. of Forestry and Natural Resources and Dept. of Biological Sciences in College of Agriculture

- Presentation title “Warmer and Weedier.”
- Management options determine the outcome of invasive species success in natural vs agricultural systems during global changes in CO2 levels, temperature, precipitation, and the occurrence of extreme events.

c. Hardwood Tree Improvement & Regeneration Center in College of Agriculture, Executive Director of the Indiana Forestry & Woodland Owners Association, and the Executive Director of the National Walnut Council.

Liz Jackson – Executive Director

- Introduction of organizations with potential collaboration with IISC.
 - a. HTI&R Center. Collaboration of Purdue, State of Indiana, US Forest Service and the forest industry. Goals are to advance forest productivity, promote disease resistance, and conduct outreach through workshops, publications, and newsletters.
 - b. IF&WOA. The primary goal is to encourage forest stewardship.
 - c. NWC. Primary goals are to promote timber productivity, management, and investment.
- Invasive species management/publications are prevalent within all three organizations.
- Additional partner: Indiana Woodland Steward reaches 35,000 woodland owners with invasive species articles.
- Question: How can these organizations collaborate with IISC? Is there a working group or team within these organizations with primary focus on invasive plant concerns? Ans. No.
- Question: Could Natural Resources Conservation Service State Technical Committee and Indiana Soil and Water Districts be allies of IISC? Ans. Possibly, these can be difficult for landowners to work with due to many restrictions and rules. However, they determine targets and state funding for invasive plant management. Private consulting forester, Tom Crowe (Crowe Forest Management LLC, Leo, Indiana), who is a committee member, could be a resource. IISC might foster collaboration with the NCRS technical committee to reduce legislative hurdles for landowners which might lead to increased participation in invasive species management.

d. School of Civil Engineering

Ernest Blatchley – Professor, Environmental and Ecological Engineering in School of Civil Engineering

- Presentation: Using ultraviolet light as a management tool for invasive species in water.
- Research findings on practical uses of UV light to kill microbial agents. When this technology is combined with filtration, the impact of many problematic invasive species in ocean-going ship's ballast are reduced.

♦ IISC Legislative and Funding Update – Lynn Dennis (TNC)

- No funds supporting IISC Executive Director are in proposed state budget.
- Discussion: Should other potential sources of funding be sought.
 - a. K. Krouse: possible approach could be short term funding (1-2 years) from several organizations.
 - b. Possible sources might include organizations such as Purdue, The Nature Conservancy, Industry, Indiana ag commodity groups, foundations, Federal Farm Bill (Forest Pest Outreach Program), National Invasive Species Council, etc. No funds can be expected from Indiana Dept. of Natural Resources.
 - c. S. Yaninek has discussed possible interaction of Purdue School of Agriculture with the Dean, who did not dismiss the idea but did not offer any commitment at this time
 - d. D. Bausman: ISDA can't propose the IISC funding concept to State budget committees. This has to come from industry, natural resource organizations, etc.
 - e. P. Marshall/K.Krouse proposed the concept of an invasive species center within infrastructure in Purdue Ag. Maybe a partial or part-time position to serve as a placeholder until state funding could be obtained.
- d. Motion by D. Bausman (2nd by P. Marshall) to create a working group to develop the scope, responsibility, and funding plan for the IISC Executive Director.

Discussion:

 1. There is a need to make the case to legislative funding committee that the State authorized IISC and should be obligated to fund it.
 2. IISC should restructure Tactical Plan to identify roles and responsibilities of Exec Dir.
 3. A formal dialog with Purdue Agriculture and stakeholders should begin.
- e. An amended motion to withdraw the request for a new working group and add this duty to the current IISC Tactical committee was presented. Amended motion by D. Bausman (2nd by P. Marshall). Motion passed. No further discussion. P. Gramelspacher and R. Haggard volunteered to assist with the new committee duty and were accepted by Chair. A conference call is scheduled for 17 September 2015 11:30 am.

5. Updates or Announcements from the Council and Public.

- P. Marshall, Old World Bollworm (*Helicoverpa armigera*) a serious pest of fruits, vegetables, and field crops was detected in south Florida. This represents a first record in the US. The Kudzu bug (*Megacopta cribraria*) extended its range to western Kentucky in 2014. An extensive survey in 2015 for this pest in southern Indiana resulted in no detections.

6. Proposed next meeting date: March 11, 2016

7. Next steps/**action items**

- a. The Best Management Practices Pilot Project summary report and the individual reports of the participating land managers will be added to the IISC web site.
- b. Mike Warner will take action for IISC to become a partner with the Play-Clean-Go program to increase public awareness of invasive species.
- c. Create a 'bullet' list of findings and recommendations from the BMP survey summary and individual reports as a resource for Council members and for the current development of the Indiana State Department of Agriculture strategic plan.
- d. E. Jacquart will be liaison to the North Central Weed Science Society/MIPN meeting planning committee
- e. S. Yaninek will investigate how Purdue CES could be involved in MIPN conference information dissemination.
- f. P. Marshall will initiate a council conference call to begin the process of updating the plan. Call is scheduled for 17 September 2015 11:30 am.
- g. M. Warner volunteered to develop an IISC informational booth at the Midwest Invasive Plant Network conference at North Central Weed Science Society annual meeting.
- h. There was informal agreement that an IISC-coordinated invasive species conference be added to next agenda for further discussion.

8. Adjourn 3:30 pm: Motion by P. Marshal, 2nd by S. Yaninek.