

## Indiana Invasive Species Council Public Meeting

9 May 2018 10:00 AM - 3:00 PM  
Indiana State Board of Animal Health  
Indiana State Fairgrounds, Discovery Hall, Suite 100  
1202 East 38<sup>th</sup> Street, Indianapolis, IN, 46205-2898

1. Welcome (10:04 AM), roll call and introductions: – IISC chairperson, Heather Reynolds

### Council members present:

Heather Reynolds, Assoc Prof, Indiana University, [hlreynol@indiana.edu](mailto:hlreynol@indiana.edu) (IISC chair)  
Megan Abraham, State Plant Regulatory Official, State Entomologist, and Division Director,  
IDNR Division of Entomology and Plant Pathology, Dept of Nat Res,  
[MAbraham@dnr.IN.gov](mailto:MAbraham@dnr.IN.gov)  
Linda Broadfoot, Director, Indianapolis Dept of Parks and Recreation. [lindabroadfoot@indy.gov](mailto:lindabroadfoot@indy.gov)  
Jeff Cummings, Indiana State Department of Agriculture, [jecummins@isda.in.gov](mailto:jecummins@isda.in.gov)  
Eric Fischer, Aquatic Invasive Species Coordinator, IDNR, Division of Fish and Wildlife,  
[efischer@dnr.in.gov](mailto:efischer@dnr.in.gov)  
Rick Haggard, Executive Director, Indiana Nursery and Landscape Association, [haggard.rick@att.net](mailto:haggard.rick@att.net)  
Matthew Kraushar, Indiana Department of Transportation, [mkraushar@indot.in.gov](mailto:mkraushar@indot.in.gov)  
Kristopher Krouse, Executive Director, Shirley Heinze Land Trust,  
[kkrouse@heinzetrust.org](mailto:kkrouse@heinzetrust.org)  
Steve Yaninek, Professor, Dept. of Entomology, Purdue University, representing the Dean, College of  
Agriculture, Purdue University, [yaninek@purdue.edu](mailto:yaninek@purdue.edu)

### Council members not present:

Sandra Norman, representing Indiana State Board of Animal Health, [snorman@boah.in.gov](mailto:snorman@boah.in.gov)  
Mike Warner, Certified Forester, ArborTerra, [mwarner@arboterra.com](mailto:mwarner@arboterra.com)

### Other attendees:

Brenda Howard, Indpls DPW Engineering Land Stewardship. [Brenda.howard@indy.gov](mailto:Brenda.howard@indy.gov)  
Cyndi Wagner, IDEM-OWQ. [cwagner@idem.in.gov](mailto:cwagner@idem.in.gov)  
Vicky Meretsky, Professor, Indiana University, [meretsky@indiana.edu](mailto:meretsky@indiana.edu) (member, Invasive Species  
Advisory Committee).  
Greg Hitzroth, IL-IN SeaGrant. [hitzroth@illinois.edu](mailto:hitzroth@illinois.edu)  
Kelli Werling, Dist 4 Field Veterinarian, Dir. Swine Health Div. [kwerling@boah.in.gov](mailto:kwerling@boah.in.gov)  
Elizabeth Barns, Dept. Entomology, Purdue University, [barne175@purdue.edu](mailto:barne175@purdue.edu)  
Carrie Tausher, IDNR Forestry. [Ctausher@dnr.IN.gov](mailto:Ctausher@dnr.IN.gov)  
Ellen Jacquart, retired, past IPAC director. [ellenjaquart@gmail.com](mailto:ellenjaquart@gmail.com)  
Dawn Slack, Southern Indiana Land Steward, The Nature Conservancy, [dawn.slack@tnc.org](mailto:dawn.slack@tnc.org)  
Phil Marshall, Forest Health Specialist, Indiana Department of Natural Resources, Division of Forestry and  
Division of Entomology and Plant Pathology. [pmarshall@dnr.in.gov](mailto:pmarshall@dnr.in.gov)  
Larry Bledsoe, Cooperative Ag Pest Survey, Dept. Entomology, Purdue University,  
[lbledsoe@purdue.edu](mailto:lbledsoe@purdue.edu)

2. Motion to approve the agenda by S. Yaninek, 2<sup>nd</sup> by K. Krouse. Agenda approved.  
Motion to approve January 31, 2018 minutes by M. Kraushar, 2<sup>nd</sup> by J. Cummings. Previous meeting  
minutes approved.

Review tactical plan; note responsibilities and expectations of IISC.

3. Old business:

- Council welcomes Linda Broadfoot, Director Indianapolis Dept. Parks and Recreation, as new member.
- Executive Director funding, next steps – state agency-Purdue collaboration (all)
  - a. M. Abraham reported that the ED request did not reach Natural Resource Committee.
  - b. H. Reynolds reported that John Baugh (Purdue) and Lynn Dennis (TNC) may try to find partners to match Purdue funding if that is the direction of creating the proposed position. S. Yaninek pointed out the difficulty in finding ‘new money’ in the state budget and that the Council should explore other ways to accomplish the function of an ED. The probability of ED funding in the current economic climate is remote. H. Reynolds suggested that ED issue be removed from the IISC agenda and that the Council might be able to find ways to perform some of the duties of an ED.
- Federal Farm Bill (M. Abraham)
  - a. Fund spending plan was approved.
  - b. Projects include Forest Pest Outreach (C. Sadof and E. Barns) and Specialty Crop Commodities Survey (IDNR).
  - c. This fund also supports Indiana participation in the National Honey Bee Survey (IDNR) and the Cooperative Agricultural Pest survey (IDNR&Purdue).
- Terrestrial Plant Rule & Support Campaign (Megan Abraham, Heather Reynolds, Dawn Slack)
  - a. Request for the rule was approved by Office of Management and Budget.
  - b. Rule was modified by changing all plants on the list to restricted rather than prohibited.
  - c. Retail outlets given one year after effective date of rule to dispose of restricted plants. Rule will be shared electronically with participants.
  - d. Next step is to have the rule placed on the agenda of the Natural Resource Commission (likely 17 July Fort Benjamin Meeting). No opposition to the rule by the NRC is expected.
  - e. Approximately 9 months will be needed to reach an effective date once approved. Rule becomes active 1 yr after effective date.
  - f. Information campaign to dispose of restricted plants will occur during the disposal period.
  - g. Callery pear and Norway maple were not included on the list of restricted plants, however, public outreach programs requesting that these species not be planted have begun.
  - h. An email distribution list will be used to disseminate documents supporting the rule development and final version.

**Action Item;** Update listserv to include Ellen Jacquart’s current email.

  - i. Is a new economic analysis needed to attempt to add Callery pear to the next version of the TPR? Council requests that IPAC assist with a new survey on the economic impact of Callery pear on the landscape and education campaign to prevent its propagation. R. Haggard reports that the economic impact of Callery pear is diminishing as inventory is being reduced.
  - j. Opportunity exists for the public to provide input to the NRC at its July TPR preliminary adoption meeting. IDNR Commission has website with NRC meeting

schedule and agenda.

- k. E. Jacquart requests that the IISC send regular email legislative updates to conservation partners. IISC will send routine messages to appropriate groups.
- Combined OISC-DNR DEPP emergency rule-making authority (Megan Abraham)
  - a. Office of Indiana State Chemist attempt to bring this request to legislative session was denied.
  - b. This rule is not critical to the functioning of these agencies.
  - c. OISC has now abandoned its request for emergency rule making authority. Indiana Senate was not willing to make a decision on this request. OISC has proposed an update to the Indiana weed and seed list to restrict additional plants. The prohibited plant list still exists. (J. Cummings)
- Extension Invasive Species proposal (Steve Yaninek)
  - a. This proposal would coordinate educational programs about, and response to, invasive organisms between state/county/municipal agencies and Purdue Cooperative Extension Service. S. Yaninek would dedicate about ½ of his effort to addressing invasive species issues and contributing some of the functions that would have been provided by an executive director.
  - b. CES director, the Ag and Nat Resource program leader, and the county educators were supportive of the proposal.
  - c. CES county educators requested more teaching resources/content.
  - d. A decision on the proposal will be made soon.
  - e. Regardless of the success of the proposal, Purdue CES is organizing efforts to improve/mobilize invasive species outreach.
  - f. (Dawn Slack comments) There are now 8 county Cooperative Invasive Species Management Areas (CISMA) with another 25 counties that have been contacted and appear likely to create a CISMA.
- Report Invasive Campaign top ten “library” for dissemination to CWMDs, etc. (E. Barnes for C. Sadof)
  - a. Top 10 library concept has been discontinued in favor of informational posters and web-based text.
  - b. Current highlighted species include Asian longhorned beetle, emerald ash beetle, feral hog, Asian carp, Callery pear
  - c. Plants from a top 10 list will be added later to the poster art campaign and to a dedicated website that will be linked to the IISC site.
  - d. H. Reynolds suggested that the conservation partner listserv should be used to disseminate notices that the posters and website are, or will be, available. D. Slack volunteered to send monthly notices to appropriate lists. Eric Imboden is the web manager and can update lists. Send requests for inclusion to a list to the IISC email link.
- Invasive Species Advisory Committee - ISAC (Steve Yaninek)
  - a. This committee advises a National Invasive Species Council (NISC) chaired by secretaries of Interior, Commerce, and Agriculture.
  - b. S. Yaninek was nominated at the previous meeting and a letter of recommendation was drafted and submitted to the NISC. The probability of being accepted into the committee is unknown.
  - c. Federal government spends about 1 billion dollars annually to manage invasive species.

- Database of invasive species costs in Indiana, feral hog reduction (K. Werling for S. Norman).
  - a. No Indiana estimates of economic loss due to feral hogs are available.
  - b. Some national estimates are available, but they are not considered reliable.
  - c. Indiana DNR received \$165,000 of FY18 Farm Bill funding for National Feral Swine Damage Management Program for eradication (and administrative costs?). An additional \$98,000 in “extra effort” funds are available relative to specific need. Steve Backs IDNR may be a contact for understanding how the funds are allocated.
  - d. **Action item;** K. Werling/S. Norman will attempt to contact an APHIS representative associated with the National Feral Swine Damage Management Program obtain recent refined estimates of management vs administrative costs in Indiana. Also, are eradication and damage costs per hog possible to estimate? Is a reasonable estimate of feral hogs in Indiana known?
  - e. Two resources are available to provide economic and social cost analyses for an agenda item in July:

Dr. Mo Zhou Purdue University. Dr. Zhou’s primary research areas at present are 1) integrating economic models and operations research to value nonmarket goods in forests 2) optimal decision making in forest management under risk and management 3) economics of forest biodiversity at large scale. In addition, she is interested in modeling timber market, landowner’s behavior, and forest growth. Dr. Zhou was previously an Assistant Professor of Forest Economics at West Virginia University and before that an Assistant Professor of Economics at the University of Alaska Fairbanks. She has a B.S. in Information Sciences in Forestry from Beijing Forestry University, a M.S. in Forestry from the Technical University of Munich, and a Ph.D. from the University of Wisconsin – Madison.

Dr. Zhao Ma Purdue University. Natural Resources Social Scientist, Dr. Ma's research focuses on understanding how individuals and institutions make decisions with respect to natural resource management and conservation. Her current projects include a study of smallholder farmer perception of and adaptation to climate change in semi-arid and arid regions of China, an assessment of forest resilience and climate change adaptation among forest agencies in the Intermountain West, a study of institutional adaptive water management decision making in the context of rapid environmental and social changes in the Wasatch Front Metropolitan Area, an assessment of the dynamics of coupled human and large carnivore systems in the western United States, and studies of non-industrial private forest management and conservation policies in Indiana and beyond.

#### 4. New business:

- Invasive Species and Community & Urban Forestry – Carrie Tauscher, DNR, Community & Urban Forestry Program Coordinator
  - a. Program provides financial and technical assistance, training, education, service days, and outreach for urban forestry issues.
  - b. An urban forest is “technically and loosely” defined as situations where trees and related tree ecosystems interact with human infrastructure.
  - c. Program reach is statewide.
  - d. Program scope is all community situations where trees occur (street trees, parks, municipal woodlots, etc.).
  - e. Funding is provided by NE Area of US Forest Service = \$240,000/yr. Grants =

\$90,000 - \$235,000/yr. (example, GLRI Great lakes Restoration Initiative funding; Landscape Scale Restoration Initiative Funds/USFS. Collaborators needed to fund special projects-Purdue IISC/CES? CISMA? Land trusts?) Need to align with the state forest action plan. Need to determine goals of the grantor. **Action item:** C. Tauscher will send H. Reynolds the link to the Indiana state forest action plan to harmonize requests to Landscape Restoration Grants.

- f. Interactions are with upper Midwestern states.
  - g. Adequate staffing has been an ongoing challenge.
  - h. Indiana Urban Forest Council was an advisory body that was terminated in 2016. Efforts are underway to create a new advisory council.
  - i. Hosted international Partners in Community Conference 2016 and other annual conferences.
  - j. Routinely conduct 15-30 geo-referenced tree inventories. This is public information, not available on the web. Useful to EDDMaps?
  - k. Program partners: Purdue CES and Entomology, SWCD, Indiana Arborist Board, public utilities and various non-profit organization, etc.
  - l. Create and disseminate school year calendar that lists environmental and conservation activities and topics. IISC could submit entries.
  - m. Requests IISC submit potential organisms for Indiana Silver Jackets Board that formulates state health and economic risks and mitigation plans.
  - n. More program details on the IDNR website.
  - o. H. Reynolds asked if the urban forestry program might occasionally partner with IISC on a biennial conference. Response was positive.
  - p. **Action item:** H. Reynolds will send an announcement to the IISC partner listserv regarding potential opportunities from the community urban forestry grant program and ways IISC can serve as facilitator.
- Invasive Plants Advisory Committee (Dawn Slack)
    - IPAC update
      - a. Current emphasis is plant assessments for those species listed with a caution label.
      - b. New species that are being targeted are mile-minute vine, black and pale swallowworts, Lesser Celandine, and Callery pear.
      - c. EDDMapS reports increased about 3,000 since January 2018. Large impact from CISMA input.
      - d. Batch loading is possible. Contact EDDMapS manager.
    - Aquatic Invasive Advisory Committee (Eric Fischer)
      - a. Final edits to the revised statewide aquatic invasive species management plan are occurring before review by the National Invasive Species Task Force.
      - b. Governors and Premiers of Great Lake States and Canadian Provinces increased focus from 16 to 21 aquatic invasive organisms to add as potential prohibited species. Organisms of concern in pet trade include the tench (aka doctor fish) a member of the carp family of fish, and the self-cloning marbled crawfish (aka marmokred). The red swamp crawfish may be next on the list of organisms of concern.
      - c. M. Abraham and E. Fischer will begin reviewing/revising the 2012 list of prohibited aquatic plants.
      - d. Ohio will conduct a grass carp survey and removal exercise in the Sandusky and Maumee Rivers.
      - e. Snakehead are in the lower Mississippi and moving northward. Preparations for managing this pest are underway in multiple states.

f. H. Reynolds added that IU has hired an invasive species aquatic ecologist specialist on starry stonewort, to begin in September 2018; for his current webpage see:  
<https://www.maisrc.umn.edu/team-muthukrishnan>

- Emerging Invasive Species Issues and Update (Megan Abraham)
  - a. 2018 combined survey for spotted lanternfly Thousand Cankers, Golden Twin-spot moth, European cherry fruitfly.
    - b. IDNR inspectors are using new hand-held devices for record collection.
    - c. Statewide boxwood blight survey continues.
    - d. Kudzu treatments continue. Participation in survey by CISMAS is important.
    - e. Gypsy moth treatments continue.
    - f. Hemlock woolly adelgid informal survey continues.
    - g. Apiary survey continues.
  - h. Invasive Species Awareness Week proclamation was recalled. Intent is to coordinate with National I S Awareness week.
 

**Action item:** H. Reynolds will place the 2019 I S Awareness Week plans on the IISC January calendar for activities in May. Opportunities exist for CISMAS interaction. M. Abraham will submit request proclamation for 2<sup>nd</sup> week of May 2019.

    - i. Multistate harmonization plans for movement of ash firewood are being developed
    - j. Plans are underway to create a digital survey tool for CAPS program.
  - k. E. Jacquart requested potential observations for mile-a-minute vine. Two possible sites; Monroe County and Jefferson County (Clifty Falls SP)

- Press Releases on Invasive Species (P. Marshall)
  - a. Suggested a press release regarding invasive species prior to the Indiana State Fair.
  - b. H. Reynolds suggested using the species highlighted by the Purdue Extension campaign for press release. Possibly there could be a pest of the month concept.
 

**Action item:** E. Barnes will contact Purdue Ag Communications and report possibilities to the July IISC meeting.
  - c. P. Marshall wants to inform the Council that beech leaf disease in northern counties is becoming an important Indiana pest.

- INDOT Species Lists (H. Reynolds, M. Kraushar)
  - a. This discussion resulted from a previous observation of invasive plant species being used for highway erosion control.
  - b. Question: Are invasive plants listed in the INDOT construction operations manual?  
 Answer: Yes, *Sericea lespedeza*, crown vetch, yellow and white sweet clover are examples. However, the list is a remnant from the last edition of the operations manual and currently INDOT generally refers to the IISC invasive plant list when choosing acceptable candidate species for landscaping right-of-ways.
  - c. **Action Item:** H. Reynolds and M. Kraushar will draft a request to INDOT to remove invasive species from the landscaping plant list in the next edition of the operation manual, and to refrain from using known or suspected invasive plants in construction or renovation projects until the new specifications are published.
- Updates from Working Groups
  - Conference: IISC Biannual Conference Debrief (Slack, Yaninek)
    - a. financial report:  
  
 registration fee \$15.00

participation: 120 attendees plus sponsors

revenue	\$5725.00
expenses	\$1718.40
balance	\$4006.60

(IISC balance is now about \$9,000)

- c. Goals: Educate, engage and empower citizens statewide. Initiate/facilitate networking and collaboration among conservation partners. Increase education and reporting of invasive species to EDDMapS
- d. Exit survey results: 64% of attendees returned surveys, 73% of attendees were satisfied with program content, 40% of attendees would attend another similar conference. Primary comment was to add more networking time/opportunity. Secondary comment was to add/facilitate training opportunities.
- e. Comments/questions: 1. Venue too loud. 2. Would like better food choices. 3. Supplies should be “eco-friendly, e.g. no Styrofoam cups. 4. Are there a state invasive species action plan and eradication toolkit?

Discussion-action plan: M. Kraushar reported that INDOT does not have an invasive species action plan for right-of-ways. E. Fischer reported that IDNR aquatic has a rapid response plan and is finalizing an overall management plan. M. Abraham reports that IDR plant pests has sporadic “incident command” training to respond to variable pests. H. Reynolds stated that IISC should facilitate the conversations and awareness of incident response plans e.g. flowchart. Federal agency buy-in would have to be considered.

Discussion – eradication tool kit.

- a. H. Reynolds stated that Monroe County IRIS (Identify and Reduce Invasive Species) has the resources that comprise a management/control/eradication toolkit. IISC could also compile similar resources.
- b. D. Slack suggested that this effort by IISC is unnecessary as this information is available and was disseminated to the recent IISC conference. This should be available electronically.
- c. M. Abraham asked if the CISMAs requesting training are aware of the training available through the Forest Pest Outreach program? Ans. D. Slack, yes.
- d. Question by conference attendees: Does IISC have a strike team? Ans. D. Slack, no.
- e. P. Marshall stated that the USFS Landscape Scale Restoration Grant program had an urban forest strike team project and that CISMAs might be able to get federal matching funds from this program to set up strike teams across different regions of the state.
- f. D. Slack reported about the funding agreement between Natural Resource Conservation Service (NRCS) and the Southern Indiana Cooperative Invasive Management (SICIM) area which is a Cooperative Invasive Species Management Area (CISMA) to create 2 additional CISMAs to the existing eight and have about 25 more in development. What’s next for IISC to provide logistic support? The CES invasive species coordination program proposed by S. Yaninek may be the response needed for administrative and training resources for the developing CISMAs. H. Reynolds suggests that the next conference include networking, special speakers, workshops, and IS plant ID training. D. Slack suggests that there is a demand for more than a conference every other year, but this may not be feasible. H. Reynolds suggests conducting workshops in years that alternate with the conference. S. Yaninek states

that workshops could be held in any year. SICIM is purchasing video equipment to record training events that could be presented at anytime. D. Slack suggests that there needs to be an umbrella organization to coordinate training events and resources for the CISMAs. D. Slack is the coordinator for the Indiana Invasives Initiative and some of that responsibility falls to her, however, she asks “is there any way that IISC could be involved?” In the months since the conference several organizations have expressed interest in collaboration/interaction with the CISMAs, e.g. Keep Indy Beautiful, National Wildlife Federation. She also wanted the Council to know that there were at least 10 events planned (e.g. Weed Wrangle) across Indiana in 2018. A month-long period of IS events is suggested for 2019. M. Abraham will request a state proclamation in 2019.

- Tactical Plan, Priorities & Planning for 2018 (Heather Reynolds)
  - Networking conversations (see Appendix I). Dr. Mo Zhou, Purdue University is invited for July meeting.
  - Review state-mandated duties, ID steps, delegate, set deadlines (see revised Appendix II)
    - a. Action item: Send to Carrie Tauscher any appropriate events to be added to her school calendar. IISC could be added as a list of sponsors. Sponsors receive 10 copies.
    - b. Motion by J. Cummings for IISC to fund the Tauscher calendar \$200; 2nd by Rick Haggard. Motion approved. S. Yaninek will facilitate the transfer of IISC funds to C. Tauscher.
    - c. P. Marshall suggested another educational opportunity in that the third grade in Indiana public schools are entitled to a free tree seedling and that some type of message about planting native trees be included.
    - d. IISC grant discussion
      1. H. Reynolds: Potential goal is to increase EDDMapS reporting. Grant (\$500?) offered to CISMAs as incentive and/or support their activities/meetings.
      2. S. Yaninek: Effort could be focused on helping CISMAs receive funding from other agencies. Assisting in the development of a funding “template” that could be used across all CISMAs might be more efficient.
      3. C. Tauscher; IISC could use the funds to create marketing/strategic planning; public relations (e. g. press release, graphic design, etc.) to disseminate to the CISMAs. H. Reynolds: This idea falls outside of the mandate to provide grants.
      4. S. Yaninek: An IISC spending plan is needed before the amount(s) applied to grants.
      5. E. Jacquart: EDDMapS report training is greatest need to increase records.
      6. C. Tauscher: Landscape Restoration Grants require matching grants. She suggests waiting until the LSR Grant is investigated. The \$500 grant could be elevated to \$1,500 with proper coordination.
      7. S. Yaninek: The Council should wait until the CES IS initiative identifies where effort needs to be focused.
      8. **Action item:** H. Reynolds requested volunteers for an adhoc committee to present IISC spending priorities at the July meeting. Volunteers are S. Yaninek, J. Cummings, Rick Haggard.
      9. H. Reynolds: How to facilitate grant application by CISMAs? S. Yaninek suggested that his liaison with CES may be a significant contribution. CES activities, such as generating lists if funding opportunities, has begun and will



be provided to the Council as it is available. No direct action by IISC is currently needed. The fact that the Council exists provides a platform for initiating grant requests by various organizations. A letter of support by the Council for individual fund requests would be the minimum action.

- Communications and website (Heather Reynolds, Dawn Slack, Steve Yaninek)
  - Review of IISC website; discussion was general agreement that reporting methods are too conflicting/ambiguous.
    - a. EDDMapS.org is the parent organization for archiving data. (Early Detection & Distribution Mapping System).
    - b. GLEDN (Great Lakes Early Detection Network = Bugwood App) is the app for creating/loading ReportIN data
    - c. DNR phone number for reporting invasives 1-866-663-9684 (1-866-NO EXOTIC) should remain available.
    - d. IDNR website; that has multiple reporting methods and conflicting information.
    - e. D. Slack/E. Jacquart are concerned that DNR website statement; “do not report...,” conflicts with IISC and ReportIN objectives.
    - f. D. Slack is revising the IISC website objectives and content.
    - g. M. Kraushar suggests that there be only two ways to report “Call or Click,” and that these be consist on IISC, DNR, and Purdue websites.
    - h. M. Abraham reports that IDNR websites = Forestry, Aquatics, Entomology
  - Action Item:** E. Jaquart volunteered to provide a list of IDNR website inconsistencies to IISC by about early June. IISC will send the request for web revision to Cameron Clark, IDNR Director. H. Reynolds is authorized to send a cover letter for the Jacquart revisions request to IDNR.
  - i. M. Abraham suggested that IDNR will not be receptive to the request that some common invasive plants be reported to its sites, but could direct that those species be reported using EDDMapps.org or the ReportIN app.
  - j. M. Abraham can assist with logistics in getting correspondence to proper office.

- Education and Outreach – no report.

5. Updates or announcements from the Council and public

- a. Bioblitz, Eagle Creek Park, organized by Jeff Hall, 2 June 2018
- b. P. Marshall will provide a review of invasive species from the Indiana Forest Inventory Analysis Plots at the November IISC meeting

6. Next meeting date: July 25, 2018

7. Next steps/action items

**Action Item;** Update listserv to include Ellen Jacquart’s current email.

**Action item;** K. Werling/S. Norman will attempt to contact an APHIS representative associated with the National Feral Swine Damage Management Program obtain recent refined estimates of management vs administrative costs in Indiana. Also, are eradication and damage costs per hog possible to estimate? Is a reasonable estimate of feral hogs in Indiana known?

**Action item:** C. Tauscher will send H. Reynolds the link to the Indiana state forest action plan to

harmonize requests with Landscape Restoration Grants.

**Action item:** H. Reynolds will send an announcement to the IISC partner listserv regarding potential opportunities from the IDNR Community & Urban Forestry grant program and ways IISC can serve as facilitator.

**Action item:** H. Reynolds will place the 2019 IS Awareness Week plans on the IISC January calendar for activities in May. Opportunities exist for CISMA interaction. M. Abraham will submit request proclamation in 2<sup>nd</sup> of May 2019.

**Action item:** E. Barnes will contact Purdue Ag Communications and report press release possibilities to the July IISC meeting.

**Action Item:** H. Reynolds and M. Kraushar will draft a request to INDOT to remove invasive species from the landscaping plant list in the next edition of the operation manual, and to refrain from using known or suspected invasive plants in construction or renovation projects until the new specifications are published.

**Action item:** Send to Carrie Tauscher any appropriate events to be added to the Community & Urban Forestry Program school calendar. IISC could be added as a list of sponsors. Sponsors receive 10 copies.

**Action Item:** Steve Yaninek will facilitate the transfer of \$200 from IISC to the Community & Urban Forestry Program (contact: Carrie Tauscher), to establish IISC as an official sponsor of the calendar

**Action item:** H. Reynolds requests volunteers for an adhoc committee to present IISC spending priorities at the July meeting. Volunteers are S. Yaninek, J. Cummings, Rick Haggard.

**Action Item:** E. Jaquart volunteers to provide a list of IDNR website inconsistencies to IISC by about early June. IISC sends the request for web revision to Cameron Clark, IDNR Director. H. Reynolds is authorized to send a cover letter for the Jacquart revisions request to IDNR.

Meeting adjourned 3:09 pm

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**Appendix I – Networking conversations w/ IISC for 2018**

- US Customs & Border Protection – branch concerned with Ag pest and diseases - Nick Johnson  
USDA PPQ
- County Weed Management Boards w/ NRCS
- SWCD – statewide leadership
- Land trusts
- Master Gardeners – John Orick, Purdue Horticulture and Landscape Architecture department
- US Fish & Wildlife – bat biologist
- Crane Naval Installation – Brady Miller with Department of Defense
- Private forestry and land managers
- DNR Nature Preserves – Tom Swinford, John Bacone
- DNR Community and Urban Forestry – Carrie Tauscher
- Indiana Forestry and Woodland Owners Association – Liz Jackson
- Indiana Hardwood Lumberman’s Association – Ray Moistner
- RC&D – Rural Conservation and Development – Don Carlson

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## Appendix II – IISC Planner for 2018

DUTIES	Key Action Items for 2018	Working Group/Person
[Sec.4. (1)] Recommend priorities for projects, funding, rules and laws concerning invasive species to the appropriate governmental agencies and legislative committees	<ul style="list-style-type: none"> <li>Support Jacquart public appeal campaign in support of Terrestrial Plant Rule</li> </ul>	Reynolds/Slack
[Sec.4. (2)] Recommend a lead state agency to develop an invasive species inventory for each invasive species taxon (plants, insects and plant diseases, aquatics, animal diseases), and develop and maintain a data management system for invasive species in Indiana.	Discussion point for July meeting: this item is covered by the invasive species lists developed by DNR and IPAC, and by the EddMaps initiative	
[Sec.4. (3)] Communicate with other states, federal agencies, and state and regional organizations to enhance consistency and effectiveness in preventing the spread of, early detection of, response to, and management of invasive species.	<ul style="list-style-type: none"> <li>January: Nick Johnson USDA APHIS PPQ.</li> </ul>	Abrams
	<ul style="list-style-type: none"> <li>May: Carrie Tauscher DNR Community &amp; Urban Forestry</li> </ul>	Kraushar
	<ul style="list-style-type: none"> <li>July: Mo Zhao Purdue U Nat. Res. Economist</li> </ul>	Yaninek
	<ul style="list-style-type: none"> <li>November:</li> </ul>	
[Sec.4. (4)] Coordinate invasive species education and outreach activities.	<ul style="list-style-type: none"> <li>IISC is supporting Purdue's Report INvasive Campaign, <a href="https://ag.purdue.edu/reportinvasive/">https://ag.purdue.edu/reportinvasive/</a></li> </ul>	
	<ul style="list-style-type: none"> <li>Website updates</li> </ul>	Reynolds/Slack/Yaninek
	<ul style="list-style-type: none"> <li>Provide a list of invasive species reporting inconsistencies to Cameron Clark, IDNR Director.</li> </ul>	<ul style="list-style-type: none"> <li>Ellen Jacquart/Heather Reynolds</li> </ul>

	<ul style="list-style-type: none"> <li>• IN Conservation Partnership</li> </ul>	<p>Steve Yaninek</p>
	<ul style="list-style-type: none"> <li>• May meeting: Sponsor ADPC calendar @ \$200</li> <li>• July Meeting: send Carrie Tauscher info, including the Purdue Report Invasive info for ADPC calendar (which go to every 5<sup>th</sup> grade teacher in state, to all legislators</li> </ul>	<ul style="list-style-type: none"> <li>• Steve Yaninek</li> <li>• All council members</li> </ul>
<p>[Sec.4. (5)] Convene or support an invasive species meeting at least once per biennium to provide information on best practices and pertinent research findings.</p>	<ul style="list-style-type: none"> <li>• IISC 3<sup>rd</sup> Biennial Conference, Feb. 15<sup>th</sup> 2018 - Grassroots Networking &amp; Resources to Manage Invasive Species in Indiana</li> <li>• July Meeting: Plan Cisma Workshop</li> </ul>	<p>All council members</p>
<p>[Sec.4. (6)] Assist governmental agencies in reviewing current invasive species policies and procedures, and addressing any deficiencies or inconsistencies in such policies and procedures.</p>	<ul style="list-style-type: none"> <li>• Request to INDOT to remove invasive species from the landscaping plant list in the next edition of the operation manual, and to refrain from using known or suspected invasive plants in construction or renovation projects until the new specifications are published</li> <li>• July Meeting: Begin review of agency Invasive species action</li> </ul>	<ul style="list-style-type: none"> <li>• H. Reynolds and M. Kraushar</li> <li>• All council members</li> </ul>

	plans → present digest thru IISC website	
[Sec.4. (7)] Assist state agencies in reviewing the agencies' performance measures for accountability concerning the agencies' invasive species actions.		
[Sec.4. (8)] Receive reports from any governmental agency regarding actions taken on recommendations of the council.		
[Sec.4. (9)] Apply for grants.	<ul style="list-style-type: none"> <li>July Meeting: Receive reports from Purdue Extension on CISMA-focused grant opportunities</li> </ul>	<ul style="list-style-type: none"> <li>Steve Yaninek</li> </ul>
[Sec.4. (10)] Provide grants for education about or management of invasive species.	<ul style="list-style-type: none"> <li>July Meeting: Receive reports from IISC ad hoc group on funding priorities</li> </ul>	<ul style="list-style-type: none"> <li>Steve Yaninek</li> </ul>

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