

Indiana Invasive Species Council Public Meeting Minutes

Wednesday, November 28, 2018

Indiana State Board of Animal Health, Discovery Hall, Suite 100
State Fairgrounds, 1202 East 38th Street, Indianapolis, IN, 46205-2898

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

Council members present:

Heather Reynolds, Assoc. Prof, Indiana University, 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
Linda Broadfoot, Director, Indianapolis Dept of Parks and Recreation. lindabroadfoot@indy.gov
Jeff Cummings, Indiana State Department of Agriculture, jecummins@isda.in.gov
Eric Fischer, Aquatic Invasive Species Coordinator, IDNR, Division of Fish and Wildlife, efischer@dnr.in.gov
Rick Haggard, Executive Director, Indiana Nursery and Landscape Association, haggard.rick@att.net
Matthew Kraushar, Indiana Department of Transportation, mkraushar@indot.in.gov
Kristopher Krouse, Executive Director, Shirley Heinze Land Trust, kkrouse@heinzetrust.org
Steve Yaninek, Professor, Dept. of Entomology, Purdue University, representing the Dean, College of Agriculture, Purdue University, yaninek@purdue.edu
Mike Warner, Certified Forester, ArborTerra, mwarner@arboterra.com
Kelli Werling, Dist 4 Field Veterinarian, Dir. Swine Health Div., Indiana State Board of Animal Health, kwerling@boah.in.gov

Council members not present:

All council members were in attendance.

Other attendees:

Elizabeth Barns, Dept. Entomology, Purdue University, barne175@purdue.edu
Ray Chattin, Southern Indiana Cooperative Invasives Management, chattin2265@gmail.com
Dawn Slack, Southern Indiana Land Steward, The Nature Conservancy, dawn.slack@tnc.org
Rajan Muthukrishnan, Indiana University, mrunj@iu.edu
Abigail Sullivan, Indiana University, absulli@iu.edu
Brenda Howard, Indy DPW Engineering Land Stewardship, brenda.howard@indy.gov
Ross Miller, Invasive Plants Advisory Committee
Mercedes Gumm, IN State Board of Animal Health, extern
Larry Bledsoe, Cooperative Ag Pest Survey, Dept. Entomology, Purdue University, lbleadsoe@purdue.edu

2. Informal adoption of agenda with changes is approved. Motion by S. Yaninek to approve 25 July 2018 meeting minutes with revision: 2nd by K. Krouse. Motion carried.

3. Old business:

- Terrestrial Plant Rule – Natural Resources Committee (M. Abraham)

Results of NRC hearing on the TPR economic impact https://www.in.gov/nrc/files/lisa18316_iedc.pdf
<https://www.in.gov/nrc/files/IEDC%20Comments.pdf>

RULE ADOPTION TIMELINE¹ <https://www.in.gov/nrc/2377.htm>
 Notice Updated: November 14, 2018
 LSA Document #18-316

Internal Title: Terrestrial Invasive Plants
Administrative Cause No.: 17-114E

<u>ACTION</u>	<u>DATE</u>
Preliminary Adoption	July 17, 2018
Proposed Rule Submitted to Publisher ²	November 9, 2018
Public Hearing(s) ³	December 19, 2018, 10 AM
Comment Period Closes End of Day:	December 20, 2018
Final Adoption	January 5, 2019
Submitted to the Attorney General	January 2019
Review by:	
Attorney General ⁴	45th Day: March 2019
Submitted to the Governor ⁵	March 2019
Effective ⁶	April 2019

¹ This timeline is anticipatory and is subject to change. Updates to this document will be made when changes occur.

² The NRC anticipates filing the proposed rule within 30 days of receiving approval of fiscal analyses from the Office of Management and Budget.

³ The NRC anticipates conducting any public hearing within 60 days of posting of the proposed rule in the Indiana Register.

⁴ The attorney general has 45 days from the date that an agency submits or resubmits a rule. To note, this agency is not usually notified when the attorney general forwards the rule amendment package to the governor. IC 4-22-2-32

⁵ The governor may approve or disapprove a rule with or without cause. The governor has 15 days from the date of rule submittal to approve or disapprove the rule. However, the governor may take 30 days to approve or disapprove the rule if the governor files a statement with the publisher within the first 15 days after rule submittal that states that the governor intends to take an additional 15 days to approve or disapprove the rule. IC 4-22-2-34 [To note, this agency is not customarily notified of the date the rule package is submitted to the Governor's Office.]

⁶ Rule becomes effective 30 days after filing with the Publisher (unless a later effective date is specified in the rule). IC 4- 22-2-36. A link to the Publisher's Affidavit can be found in the "Other Notices" column of the rulemaking docket.

TPR discussion:

- Public meeting 19 December, 10 AM at Government Building.
- Meeting is a formality
- Anyone may attend, but comments should be sent by email or US mail.
- Approximately 60 pages of comments received, primarily favorable to the Rule.
- R. Haggard will attend 19 December meeting to represent IISC and IN NLA to provide favorable comments.
- Previously submitted comments by December meeting attendees will not be "double counted" when also submitted in person.
- General public has been encouraged to submit written comments. There is little impetus to fill the meeting room.
- There were very few negative comments regarding the TPR.
- TPR hearing and final adoption summary/conclusions/results will appear online.
- Amendment process can begin immediately after final adoption in April 2019.

- Extension Invasive Species proposal/outreach (S.Yaninek)

Discussion

- Purdue Cooperative Extension Service (CES) has created an Invasive species resource working group.
- Working group presented a funding proposal to CES on 27 November to provide IS issue resources and tools (communication, education, networking, and coordination) to the statewide CES county educators.
- CES working group will meet with Southern Indiana Cooperative Invasives Management (SICIM) on 10 December 2018 to discuss potential collaborations and priorities for invasive species management.
- ReportIn website will likely become the portal for the program.
- Potential plans include statewide outreach and research (main focus) meetings alternating with the IISC biennial meetings so that the IS topic has visibility every year.
- CES IS working group will have a presence at the 2019 Green Expo.
- CES IS working group is considering to use Purdue's 150-year anniversary celebration to highlight the statewide history of invasive species issues and response/management by the university.
- IDNR has a library of annual reports. Contact M. Abraham for more information.
- Historian might have valuable input. There might be potential collaboration with Indiana University environmental issue historian. **Action item.** S. Yaninek will investigate potential for collaboration/interaction with IU historian. Contact H. Reynolds for details.

- Federal Invasive Species Advisory Committee (S.Yaninek)

- Potential appointment of S. Yaninek to this committee is pending.

- Community & Urban Forestry Program Calendar

- Governor's IS proclamation (M. Abraham)

- **Action item:** M. Abraham and H. Reynolds will plan for state IS Awareness Week proclamation request in 2019 (timing question – should proclamation be during National IS Awareness Week? Date?).

- ReportInvasives information (Elizabeth Barnes)

- Communication with C. Tauscher regarding Report IN information added to the IS event calendar has not occurred.
- E. Barnes will provide a progress update to the Council at first opportunity.

4. New business:

- Statewide Survey of Invasive Plant Governance/Management (Abigail Sullivan-Indiana University)

Presentation and discussion:

- Research areas of interest are community forestry and invasive species (invasive plants in particular).
- Program is in the preliminary stages of conducting a statewide survey of invasive plant management. Survey targets have not been established.
- SICIM and other CISMAs are desired as potential partners.
- Primary research objective is understanding collective (group) actions, perceptions and barriers to improve IS management. D. Slack reported that much of this information is already being solicited in the creation of new CISMAs.
- A longer term goal would be to extend Indiana findings to other Midwestern states.
- Question from S. Yaninek: What are the metrics? Ans. Primary metrics are the differences in collective (group) characteristics in IS organization/management, outreach, education, resources, perceptions, etc.
- Survey would include written (paper and online) instrument(s), interviews and event visits.
- Survey would include organization leadership and volunteer base.
- A challenge will be establishing definitions and measures of success/failure.
- H. Reynolds pointed out that possibility exists for this project to mesh with the establishment of new CISMAs.
- Project will end spring of 2020.

- H. Reynolds noted that the Indiana University Environmental Resilience Institute RFP may be an additional funding source for this project. IISC would be a valuable partner in the application process. IISC could provide a partnership letter of support.
 - D. Slack suggests Kudzu management could be the unifying target for plant management and for continued funding.
 - Question: How can this project assist IISC? Ans. Identify funding sources and how to maximize available resources.
- IISC-SICIM Collaboration (Ray Chattin)
 - D. Slack is SICIM statewide coordinator and M. Warner is on the steering committee.
 - A 5-year contribution agreement (Indiana Invasive Initiative) signed last year with Indiana Natural Resource Conservation Service (NRCS) funded SICIM (\$917,000) to establish and develop 60 new CISMAs in Indiana. Deliverables include comprehensive training and outreach for conservation partner staff and the acquisition of 4 regional specialists and a part time statewide coordinator.
 - Current engagement includes 37 counties.
 - Additional funding is being solicited from many sources. A primary concern now is the financial continuity of the program at the expiration of the agreement (2021).
 - The Indiana Association of Soil and Water Conservation Districts is suggesting \$15 million from the state legislature for continued funding for the Indiana Invasive Initiative after 2021. Legislative response was not enthusiastic.
 - At a meeting at Columbus, Indiana, Tim Brown, Chair of Indiana Ways and Means Committee confessed lack of knowledge or even opinion on the state government's stance on managing invasive species.
 - Proposal/request to IISC is to build the state budgetary, structural, financial, timetable "roadmap" to guide the statewide management of IS.
 - Question: M. Kraushar asked which state agency should take the lead in sending a proposal for continued funding to the governor/legislature? No resolution
 - Possible alternative is to request a legislative task force to find solution(s) for procuring funds to continue the initiative.
 - M. Warner suggested that this funding proposal be multifaceted and that IISC should provide guidance to frame possible legislative solutions.
 - J. Cummings reported that Rep Lehe is aware of the invasive species problem relative to previous rule making issues for the Office of the Indiana State Chemist.
 - K. Krouse suggested this process would raise the dimension/profile/status of IISC and efforts to support continued funding for the initiative should be included in the next IISC performance report to the governor.
 - Invasive Plants Advisory Committee (D. Slack)
 - State plant list reassessments are underway.
 - Reported Callery pear over-topping 78 acres of 15,000 planted native trees in Allen Co.
 - IISC blog consistency will improve soon.
 - D. Slack promoted to TNC Indiana Director of Stewardship.
 - Presented at Natural Areas Conference on CISMA/SICIM topics, TPR, and a course on IS mistaken identities.
 - Provided written communications (e.g. newsletters) on IS topics.
 - Supported annual Indiana Native Plant & Wildflower Society (INPAWS) events.
 - Supported SICIM events (e. g. Nashville, IN 13 Dec 2018).
 - List of 20 emerging Indiana invasive terrestrial plant species added to IISC website and will be soon added to the EDDMapS site.
 - EDDMapS/ReportIN records are increasing.
 - 9/11 Memorial program maintains Callery pear as its preferred survivor tree seedlings and will continue to provide it as a memorial plant.
 - Homeowners Association-Association of Cities & Towns - Callery pear issue; No point of contact found, no action.

- M. Kraushar suggested that eventual legislation making Callery pear a prohibited plant is the only solution in managing the problem.
- An important function of CISMAs is the personal contact that provides educational information to individual homeowners and groups.
- Knox County Invasive Plant Ordinance. This ordinance will prevent the sale, trade, and import of 64 different invasive plant species in Knox County. CP planting is banned in Vincennes. CP sale is banned in the county. A newly formed, five-member Knox County Invasive Species Board (KCISB) will be the hearing authority for the ordinance. See: <http://knoxcountyswcd.com/kccisma/knox-county-invasive-plant-ordinance/>
- CISMA locations map presented. Map will be updated on the IISC website. Many agencies including Purdue CES are involved in the organizational development of the CISMAs. Current, new, and potential staff will work with Resource Conservation and Development Councils as much as possible.

- *Euonymus fortunei* “Coloratus” (H. Reynolds)

- Cornerstone Landscape Group (Timothy Pancake) email to IISC suggesting *Euonymus fortunei*, cv. Coloratus, not be included on the TPR plant list. Ellen Jacquart responded that all cultivars are considered to be equally invasive to the parent species unless there is solid evidence proving otherwise. Additionally, cultivars crossing with other cultivars can increase invasiveness, as the example of Callery pear shows.

IISC/IPAC, nursery industry, and MIPN agree with E. Jacquart assessment.

- Question from Council. How long will prohibited plants remain on TPR list? Ans. As long as the Rule remains in force. Question: Can a plant be removed from TPR list? Ans. Yes.

Action Item: H. Reynolds will send follow up email to Timothy Pancake

- Aquatic Invasive Advisory Committee (E. Fischer)

- Preliminary adoption of the amendment to the Aquatic Plant Rule by Natural Resource Commission, 13 November 2018. Starry stonewort, *Nitellopsis obtusa* and water soldier, *Stratiotes aloides* added to list. See: https://www.in.gov/nrc/files/item_5_nrc_nov_2018.pdf
- Both species expanding distribution in Indiana.
- Funds to manage starry stonewort are \$200,000 annually.
- Rule problem is low enforcement.
- Emergency Rule for *Hydrilla* is being removed.
- **Action Item:** E. Fischer will send email to Council when public comment period for the amendment to the Aquatic Plant Rule begins. Chair will provide positive comment.

- Emerging Invasive Species Issues and Update (M. Abraham)

- DEPP is preparing for Industry winter meetings: Green Expo, Indiana Arborist Convention, Purdue Pest Conference, Indiana Hardwood Lumbermen’s Association.
- Woolly hemlock adelgid not found in state. It occurs in surrounding states. Hemlock is in trade and could spread this pest.
- Spotted lanternfly is common on the East Coast, but not found in Indiana. Wide host range. Easily transported.
- Thousand cankers disease is not significant problem in Indiana, TCD appears not to be fatal to unstressed trees in states where it has occurred. Infected trees have recovered.
- Gypsy moth was detected and proposed for eradication treatment at one location in east central Indiana. Treatment sites for 2019 are being determined.
- Emerald ash borer occurs in every Indiana county. Biological control by the introduction of four exotic hymenopteran parasitoids is being evaluated in southern counties. Federal quarantine may be removed soon. State quarantine will remain.
- Kudzu treatment sites for 2019 are being planned.
- Boxwood blight entered the state on imported (Oregon) infested retail nursery stock in 2018. Stock was destroyed and education programs trace forward investigations began.
- Beech diseases occurring in nearby states. Does not appear to be a significant problem in Indiana.

- Burr oak blight detected in Allen Co.
 - **Action item:** Request by R. Haggard to DEPP for an article stating that boxwood blight is not established in Indiana. M. Abraham reported this article is planned for early spring 2019.
 - **Action Item;** D. Slack requested Boxwood blight information be sent to her for inclusion in the IISC blog.
 - Question: S. Yaninek asked if DEPP surveys for brown marmorated stink bug. Ans. No.
 - S. Yaninek reported on a parasitoid of brown marmorated stink bug. See: <http://science.sciencemag.org/content/361/6402/542.summary>
 - E. Barnes reported that she has spotted lanternfly specimens for demonstration and is willing to provide them for outreach/teaching, etc.
- Agency Invasive Species Action Plans
 - Agency reports (E. Fischer, K. Werling, M. Abraham, M. Kraushar)
 1. IBOAH K. Werling
 - Action plan has two primary components: 1) Disease incident response, 2) Emergency response.
 - Disease incident management has 4 parts: prevention, detection, containment, and eradication
 - Emergency response is dictated by characteristics of accidents and or by adverse weather events.
 - Incident command structure is use to set priorities.
 - Overall goal is business continuity.
 - Question: How is success measured? Ans. Elimination of threat and length of time for elimination compared to similar prior incidents.
 2. IDNR Div of Fish and Wildlife E. Fischer
 - Current invasive species management plan is 12 years old, currently under revision. Contents include organization and funding details, goals and priorities, procedures, and partners.
 - Plan contains a watch list of pests within the Great Lakes Basin
 - Plan contains individual species info.
 - Rapid response protocols are included.
 - Incident command structure is used to prioritize actions. E. Fischer is incident commander.
 - Question: Who are partners in the action plan? Ans. IDNR, Federal agencies, and private contractors.
 - Question: Is DNR law enforcement used? Ans. Yes.
 3. IDNR Div of Entomology and Plant Pathology (DEPP). M. Abraham
 - IDNR has no formal incident action plan. Instead agency follows USDA incident command guidelines.
 - Indiana administrative code provides DEPP legal options not available to other divisions, e.g. (1) legal right of entry where plants in trade occur, (2) establishment of local and statewide quarantines, (3) administrative rules that govern bees, pests and pathogens.
 - First step of incident response is contacting federal partners to establish the level of concern and initial action.
 - Partners could include federal and state agencies and private entities.
 - Basic standard operating procedures and best management practices are being developed for nursery inspections and for phytosanitary certifications.
 - Question; How many staff were involved in the development of the aquatic IS management plan? Ans. Approximately 40.
 - Question; How many staff would be needed for the development of the terrestrial invasive species management plan? Ans. Number is relative to topic.
 - Question: Why is plant (and insect) management included with pathogens? Ans. Financial considerations.
 - Question: How many divisions are within the IDNR? Ans. Fourteen.

- Question: Do you have insight into the IS action plans of other state divisions? Ans. Nature Preserves, Forestry, Parks and Recreation, Land Reclamation, maybe more.

4. INDOT M. Kraushar.

- No formal action plan exists.
- Recent attempt has been made to secure funding to develop an INDOT roadside management plan including IS issues.
- Incident/complaint for noxious species is referred to customer service that addresses the problem using appropriate staff. If no state or federal regulations exist, then response will be negligible.
- Collaboration with IDNR to manage Kudzu have occurred.
- Vegetative mapping may occur in 2019.
- A measure of success would be the revision of the INDOT construction specifications manual and vegetation management guide. Revision will require years.

Action item: Chair requests that J. Cummings, Dept of Ag and L. Broadfoot, Dept of Parks and Recreation provide a short description of their agency IS action plans at the 19 Feb 2019 meeting.

- IPAC BMP Pilot Program Report (2015, D. Slack)
 - Tabled until next meeting

• Callery Pear Outreach

- Survivor Tree Seedling Program (H. Reynolds)
 - Question to Council from the Chair: Does the Council also want to address the “Survivor Tree” memorial issue at this time? Ans. Yes. **Action item:** H. Reynolds will draft a one-page letter including verbiage that Callery pear will likely become a prohibited species in Indiana and that action now might resolve future problems.
- Letter/fact sheet to “350” growers/sellers (E. Barns, D. Slack, H. Reynolds)
 - Question from Chair: Is this letter/fact sheet still relevant? Ans. Yes. There are many uninformed/mis-informed recipients not associated with the Indiana Nursery and Landscape Association.
 - Suggested edit to letter, page 2; change “Indiana state legislature” to “Natural Resource Commission rule-making process.”
 - M. Abraham suggested that the paragraph relating to “showy spring flowers” should include a warning against disease risk of monocultures.
 - Ambiguous verbiage regarding the horticultural industry views vs the INLA stance should be addressed.
 - Question from Chair: Who will address and send letter. Ans. **Action item:** S. Yaninek will determine if that can be done with listservs at Purdue and assist with the printing, addressing, and mailing.
 - Question: Should press release reinforcing the problems with Callery pear be sent to print news or other medium? Ans. Yes. **Action Item:** S. Yaninek and Purdue Communication Dept will assist in the spring 2019 to coincide with IS Awareness Week.
 - Question: Should Industry letter be sent to coincide with IS Awareness Week? Ans. No. It should be tied to the TPR process this winter.

• Updates from Working Groups

- Tactical Plan, Priorities & Planning for 2018
 - Networking conversations for 19 February 2019 IISC meeting (All, see Appendix I)
 - **Action item:** M. Abraham will contact John Bacone, IDNR Natural Preserves to determine his availability.
 - IISC funding priorities, approaches & partners (All)

- See following comments, discussion.

- Funding proposal for legislators (M. Warner)
 - M. Warner reported that he represents IISC on the SICM steering committee and was asked to chair the legislative committee. He suggested that IISC be included in discussions setting legislative, funding, and spending priorities.
 - **Action item:** J. Cummings volunteered to take this issue to the Governor's Office/Indiana legislature to attempt to create a summer study task force. This task force will be able to better address critical CISMA funding issues than IISC or SICIM. This will lay the ground work and familiarity for legislative action to identify solutions in 2021. Inclusion in the next legislative session may be possible. IISC ad hoc working group for funding (J. Cummings, S. Yaninek, R. Haggard) could interact with the task force to assist initial identification of priorities.
 - **Action item:** Chair requests that IISC ad hoc working group for funding (J. Cummings, S. Yaninek, R. Haggard) identify initial funding priorities and recommendations for summer study commission and report at the next meeting.
- IISC fund, invested by Indiana State Treasury (Jeff Cummins)
 - Indiana State Treasury does not have the statutory authority to manage IISC funds.
 - Purdue University has statutory authority to manage IISC funds.
- Communications and website (H. Reynolds, D. Slack, S. Yaninek)
 - Website work continues; no formal report;
- Education and Outreach (M. Warner)
 - WIBC Radio Program on invasive species (M. Warner)
 - Discussed the biased coverage on the TPR.
 - There is no near-term opportunity to rebut the previous program
 - There may be opportunity to near the State/National IS Awareness Week activities to revisit the TPR/Callery pear topic.
 - CISMA workshop planning w/ D. Slack
 - A workshop meeting will not occur until 2020.
 - Report/discussion tabled until a later meeting.
 - IISC booth at Green Expo, January 10-11, 2019 (R. Haggard)
 - R. Haggard informed the Council agencies that booths dedicated to invasive species could still be arranged if needed.

5. Updates or announcements from the Council and public
- none

6. Next meeting:

- Location: The Nature Conservancy, Efroymson Conservation Center, 620 East Ohio Street Indianapolis, IN 46202.

- 2019 Meeting Dates: Feb 19, May 21, July 23, Dec 12

7. Next steps/action items

Action items.

- Regarding 150-year Purdue/Indiana history of invasive species management: S. Yaninek will investigate potential for collaboration/interaction with IU historian. Contact H. Reynolds for details.
- M. Abraham and H. Reynolds will plan for state IS Awareness Week Governor's proclamation request in 2019 (timing – should proclamation be during National IS Awareness Week? Date?).
- H. Reynolds will send follow up email to Timothy Pancake re: *Euonymus fortunei* 'Coloratus' status on prohibited Terrestrial Plant Rule species list
- E. Fischer will send email to Council when public comment period for the amendment to the Aquatic Plant Rule begins. Chair will provide positive comment.
- Request by R. Haggard to DEPP for an article stating that boxwood blight is not established in Indiana. M. Abraham reported this article is planned for early spring 2019.
- D. Slack requested boxwood blight information be sent to her for inclusion in the IISC blog. M. Abraham will provide.
- Chair requested that J. Cummings, Dept of Ag and L. Broadfoot, Dept of Parks and Recreation provide a short description of their agency IS action plans at the 19 Feb 2019 meeting.
- Regarding "Survivor Tree" memorial issue: H. Reynolds will draft a one-page letter including verbiage that Callery pear will likely become a prohibited species in Indiana and that action now might resolve future problems.
- Regarding industry letter/fact sheet: S. Yaninek will determine if Purdue can assist with printing, addressing, and mailing.
- Regarding a press release reinforcing the problems with Callery pear: S. Yaninek and Purdue Communication Dept will assist in the spring 2019 to coincide with IS Awareness Week.
- Regarding networking presentations: M. Abraham will contact John Bacone, DNR Natural Preserves for the 19 Feb 2019 meeting.
- J. Cummings volunteered to take CISMA long-term funding issue to the Governor's Office and/or Indiana legislature to attempt to create a summer study task force.
- Chair requested that IISC ad hoc working group for funding (J. Cummings, S. Yaninek, R. Haggard) identify initial funding priorities and recommendations for CISMA funding as guide for legislative summer study commission and report at the 19 Feb 2019 meeting.

Motion to adjourn by L. Broadfoot (2:50 PM), Motion 2nd by J. Cummings. Motion carried.

Appendix I – Networking conversations w/ IISC

2018

- Jan: USDA APHIS PPQ – Nick Johnson
- May: DNR Community and Urban Forestry – Carrie Tauscher
- July: Dr. Mo Zhou – Purdue University
- Nov: : Dr. Abigail Sullivan–IU Environmental Resilience Institute, RayChattin–SICIM

- US Customs & Border Protection – branch concerned with Ag pest and diseases
- 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
- Indiana Forestry and Woodland Owners Association – Liz Jackson
- Indiana Hardwood Lumberman’s Association – Ray Moistner
- RC&D – Rural Conservation and Development – Don Carlson
- Indy Parks Land Stewardship – Brenda Howard

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"> Support Jacquart public appeal campaign in support of Terrestrial Plant Rule Submitting IISC comments to NRC (based on talking points) 	Reynolds/Slack Dawn 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"> January: Nick Johnson USDA APHIS PPQ. 	Abrams
	<ul style="list-style-type: none"> May: Carrie Tauscher DNR Community & Urban Forestry 	Kraushar
	<ul style="list-style-type: none"> July: Mo Zhao Purdue U Nat. Res. Economist 	Yaninek
	<ul style="list-style-type: none"> November: Dr. Abigail Sullivan, IU Social Scientist & Ray Chattim (SICIM) 	Kraushar
[Sec.4. (4)] Coordinate invasive species education and outreach activities.	<ul style="list-style-type: none"> IISC is supporting Purdue's Report INvasive Campaign, https://ag.purdue.edu/reportinvasive/ 	

			
		<ul style="list-style-type: none"> • Website updates 	Reynolds/Slack/Yaninek
		<ul style="list-style-type: none"> • Provide a list of invasive species reporting inconsistencies to 	<ul style="list-style-type: none"> • Ellen Jacquart/Heather Reynolds

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	Cameron Clark, IDNR Director.	
	<ul style="list-style-type: none"> • IN Conservation Partnership 	Steve Yaninek, Jeff Cummings, Eric Fischer
	<ul style="list-style-type: none"> • May meeting: Sponsor ADPC calendar @ \$200 	<ul style="list-style-type: none"> • Steve Yaninek

	<ul style="list-style-type: none"> July Meeting: send Carrie Tauscher info, including the Purdue Report Invasive info for ADPC calendar (which go to every 5th grade teacher in state, to all legislators Provide support for the IN Invasives Initiative (III) 	<ul style="list-style-type: none"> All council members <p>1. Dawn Slack, Mike Warner</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.	<ul style="list-style-type: none"> IISC 3rd Biennial Conference, Feb. 15th 2018 - Grassroots Networking & Resources to Manage Invasive Species in Indiana July Meeting: Plan CISMA Workshop 	All council members
[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.	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> H. Reynolds and M. Kraushar

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	<p>the new specifications are published</p> <ul style="list-style-type: none"> July Meeting: Begin review of agency Invasive species action plans & present digest thru IISC website 	<ul style="list-style-type: none"> All council members
[Sec.4. (7)] Assist state agencies in reviewing the agencies' performance measures for accountability concerning the agencies' invasive species actions.	<p>Agencies do not have invasive species-specific performance metrics...</p>	
[Sec.4. (8)] Receive reports from any governmental agency regarding actions taken on recommendations of the council.	<p>Terrestrial Plant Rule, website inconsistencies re: invasive species reporting</p>	<p>Megan Abraham</p>
[Sec.4. (9)] Apply for grants.	<ul style="list-style-type: none"> July Meeting: Receive reports from Purdue Extension on CISMA- focused grant opportunities 	<ul style="list-style-type: none"> Steve Yaninek
[Sec.4. (10)] Provide grants for education about or management of invasive species.	<ul style="list-style-type: none"> July Meeting: Receive reports from IISC ad hoc group on funding priorities 	<ul style="list-style-type: none"> Steve Yaninek

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