

**Maryland Invasive Species Council
 USDA National Agricultural Library
 Beltsville, MD 21401
 Thursday May 15, 2014**

Call to order

Facilitator Dick Bean called the meeting to order at 9:15 am

Introductions

Barbara Beelar -Friends of DCL	Mary Kay Malinoski—Maryland Extension
Dick Bean - MDA, PPWM	Caroline Puckett—Carroll Cty Forestry Bd
Eric Duce - Baltimore Cty Dept of Env Prot.	Bud Reaves - Anne Arundel County
Mike Ellis—PG Cty Parks	Kim Rice - MDA PPWM
Anne Goodman—Rockville Native Spp Network	Pete Rupp—MDA, PPWM
Mike Greenberg -- SHA	Matt Salo - Cheverly Green Infrastructure
Ruth Hanessian -- MAPI	Mark Smith - MDA Weed Control
Lane Heimer—MDA PPWM	Jil Swearingen—Plant Conservation Alliance, attending as guest
Mike Hemming, Eastern Shore Nurseries	Bob Tatman - MDA Forest Pest Mangmt
Craig Highfield—ACB,Forestry for the Bay	John Peter Thompson -- Consultant
Alice Imlay, guest	Mark Thurmond - USDA APHIS
Marc Imlay, PG Cty Parks, Sierra Club	Bob Trumbule—MDA Biocontrol
Jay Kilian - DNR Resource Assessment Service	Mark Smith—MDA PPWM
Kerrie Kyde—MDNR—Nat Heritage Program	Tyler Wakefield—DNR MFS
Deborah Landau--TNC	Jim Young - USDA APHIS

Additions to the Agenda

Meeting will be recorded today.
 New recording secretary needed.

Approval of minutes from January and March 2014 meeting

January minutes approved as amended.
 March minutes amended, Kerrie Kyde requested review and forwarding of corrections.
 Dick Bean asked for a volunteer for recording secretary? No one volunteered.

Memberships

- Mike Ellis requested membership. Attended a previous meeting, but did not formally request membership at that time.
- Memberships of Barbara Beelar and Tyler Wakefield, attending their second meetings, were approved.

Invader of the Month

- Schedule: Bud Reaves editing Barbara Beelar’s piece on hydrilla piece for April, which will be posted shortly; welcome new species suggestions to include
 - Hydrilla will be posted shortly
 - Barb Beelar will do Eurasian watermilfoil for August
 - Marc Imlay will do invasive mollusk for November
 - Dave Clement will do 1000 cankers disease for June/July—Bud will send out reminder

- o Kerrie Kyde will do bushkiller for September

Presentation: Mark Smith, PPWM, Weed Control Section

Weed Control Law first written in 1970 to cover Johnsongrass. Was rewritten 1971 and 1974, when thistle was added. Noxious weeds must be controlled in state of Maryland, includes four thistles and two Sorghums. In 1974 County programs were set up to share cost of weed control 50/50 with the state. County program is implemented by 39 county employees under supervision of MDA- Weed Control Inspectors – Lane Heimer, Pete Rupp, Jim Calao, and Mark Smith. Discussed new invasives, particularly Palmer amaranth and also talked about herbicides used for control. Weed control gets 35-40 phone calls every year about bamboo, but they can't treat it all. MD has a little bit of giant hogweed in Northeast and a tiny bit in Frederick. A MISC IOTM on hogweed will trigger many phone calls as people mistake other Apiaceae for it.

Questions for Mark Smith

Bob Trumble:– does Milestone have any of the same issues as clopyralid does with cattle passing it through in their manure to pasture? Its longevity in high pH soils is 3-5 years. Same happened with picloram (tordon); Strategies evolving because of resistance development

Marc Imlay: For smaller plants of multiflora rose, we are using metsulfuron methyl, foliar treatment 1 oz/100 gallons, also recommended for pears; early in May can use 1/10/ac, but at higher rates it lasts in the soil for 3-4 yrs, but kills legumes.

Agency Updates and Roundtable

APHIS:

- Jim Young – review of pest interceptions, as noted on attached handout, including two first in nation, two 1st in port.
 - o Tineid Moth, stored grain pest – first time interception at BWI. Since then has been detected 4 more times in soybean shipments from China.
 - o An oddball 3" Moth in a shipment of cut flowers from Africa. Sold in auction in Europe and evidently got into the shipment, before delivery to US. Common in European broadleaf trees.
 - o *Thrips hawaiiensis* – intercepted at Dulles. Wide pest range in agricultural crops.
 - o *Thrips meridionias* very common on fruit trees in the Mediterranean.
 - o Bean plataspid *Megacopta cibraria* – Intercepted last week at BWI. Intercepted in Atlanta and Charleston in early April.
 - o Giant African land snail intercepted in March. Very small specimen, fully mature adult, shell was only 6 cm in length. Second time it has been found here. Found in herbs and teas.
 - o Unusual slug (*Pallifera*) from Mexico found in culinary mint – common in eastern US to Mexico and south
 - o Two whiteflies – *Aleurocanthus mvoutiensis* 2nd time coming in to US; *Aleurocanthus zizyphi* intercepted 1st time in nation at BWI on *Musa*.
 - o PPQ Participated in giant hogweed removal in DC near the embassies and Rock Creek Park; Infestation at this site is reducing, will be eradicated

Conducted outreach programs at MD Days, Science and Technology Expo in DC, Mid-Atlantic Mollusk Group, and provided training in Norfolk, VA for Customs and Border Patrol in March

Questions for Jim

Bob Trumble: Are these interceptions on illegal commodities? Yes.

- Mark Thurmond: Working on a Powerpoint for ID of federal noxious weed seeds for port inspectors; Baltimore will get the first training in a couple months

DNR

- Kerrie Kyde, Wildlife and Heritage Service: Used grant funding from USFS to hire 2 two-man seasonal crews to do mapping and control work, one in Western MD and one on the Eastern Shore; reported first successful treatment of Phrag; Wisteria, knotweed at Parkers Creek; was able to use some of this funding to facilitate treatment of Hemlock woolly adelgid in TNC's Cranesville Swamp, working with partners from MDA, USDA Forest Service, West Virginia

First graduating class of Maryland Master Naturalists trained with DNR as the host site, three-month course of study, expect to have them contribute to invasive plant mapping on state lands of high significance.

- Carolyn Puckett: I'm a MMN and have given three classes on invasive species ID.
- Tyler Wakefield, Maryland Forest Service: Working on EAB response plans, completed plans last year for Catonsville, La Plata, Cumberland and College Park; this year working with Hagerstown, Cockeysville, 8 communities in Anne Arundel County, Jug Bay Wetland, Waldorf, and on mapping with the National Guard Training Center in Western MD; helping La Plata do remove and replace of ash – will be doing Tree-age injections (Emamectin benzoate) as control. A guide to treatment for ash for homeowners will be posted on the web shortly (sample attached)
 - Mark Thurmond: what are the replacement trees? Tyler: depends on city tree composition, trying to diversify
 - Jim Young: Next week (May 18th) is EAB Awareness Week
 - Kim: MDA is getting a Governor's commendation for its EAB work
- Jay Kilian: MBSS survey crews are out, busy but nothing to report
 - Dick Bean: have you heard back from MAP on your membership? Jay: Yes, all Ok, my first official meeting is June 24-25
- Kerrie Kyde: DNR's Conservation Education Matrix Team got a MAP grant two years ago to develop a K-12 aquatic invasive species curriculum; enlisted DNR's Invasive Species Matrix Team to write up species and used those background pieces to create lesson plans at elementary, middle and high school levels. Borrowable trunks with these lesson plans are just about completed.

Friends of Deep Creek Lake

- Barbara Beelar: DNR expert panel developed plan for Hydrilla at DCL following a dye study in 13 beds; will start 3-phase treatment in June or July with floradone (Sonar I); diquat then Clipper; Lake sections will be closed for the applications. Bruce Michael of DNR acknowledged that this is just the first year of maybe many for treatment; DNR needs to act to prevent introduction of EIS into DCL.
 - Dick Bean: Are they considering biocontrol?, Barbara: Grass carp have worked, but they not allowed in MD; weevil is for Eurasian watermilfoil (now found throughout the lake). DNR looked last year for the weevil, didn't find. Can't introduce it since it's not native to MD, but to further north.

MDA

- Bob Trumbule: Work with mile-a-minute weed and its biocontrol weevil will continue this year; we are surveying previous release sites, where there is a lot of activity; Conducted first release for 2014 yesterday at Patuxent Wildlife Refuge. Just got a call, on a greenhouse shipment to an herb facility on plants from CA, for Bay sucker, a psyllid on bay laurel.

- Pete Rupp: Working full bore on Canada thistle
- Lane Heimer: ditto
- Kim Rice: Several surveys are ongoing, including one for exotic woodboring beetle. At 11 sites, 10 on Western shore, 1 on Eastern, have done one collection so far. For EAB, all 275 traps have been installed on Eastern Shore and in Harford, Baltimore County and City, Anne Arundel, Calvert, St. Mary's in places where we haven't found it yet. Set up a trap trial for USDA at 10 sites, with 4 traps/site, each using different lures and trap types.

Inported fire ant has been found and treated in two sites, one in Talbot County that sells palms and one a Worcester County produce stand; will recheck in a couple of weeks

Three surveys are coming up -- stone fruit, tomatoes and nursery; looking for European pepper moth which may be overwintering in unheated greenhouses, and *Phytophthora ramorum*

- Dick Bean: Walnut twig beetle – collected beetle but haven't isolated *Geosmithia morbida*, 1000 cankers disease, but fully expect to find it, 100% correlation between the beetle and the disease. Bob Tatman's group, Forest Health Management, will set up some trap logs; delimiting survey in Fair Hill Wildlife Management area; probably can't contain it, only heat treatment is effective. Need to take material from yards and under power lines to heat treat. Dan Rider looked at possible uses for affected walnut – but nothing is practical. Paper mills sit around too long.

Dick reported that Bob Tatman treated gypsy moth treated about 200 acres on the Eastern Shore on May 6; attempting to spray in Western Md 5000 ac in Allegany and Garrett but can't spray in high winds

Prepping for a public-private HWA suppression project; April 21st in Cranesville Swamp; 670 trees were treated by three methods, depending on sites of trees. Wanted to do over 1000 trees but couldn't get close to water and were being cautious.

Southern pine beetle traps are out and baited.

St Mary's County has a canker worm outbreak, the third year.

Carroll County Forestry Board

- Caroline Puckett: CCFB, Sierra Club, Master Gardeners and Master Naturalists held free invasive plant trainings in Carroll County

MNCPPC – Prince Georges

- Marc Imlay and Mike Ellis: July 28-29th, Mid Atlantic Invasive Plant Council annual workshop, subject is biocontrol; including good and bad thistle biocontrols, keynote speaker Dan Simberloff; ailanthus, purple loosestrife, please contribute your information. Meghan Fellows MOCO and Damien Ossi DC will be putting out the registration info shortly; Rock Creek Nature Center with field trips on first day Mike Ellis— we are shifting to grass specific herbicides for JSG

Friends of Deep Creek Lake

- Barbara Beeler: F of DCL is working with state delegation and with Attorney General's office to strengthen MD law to prevent invasive species introduction related to boats launches and require inspection of boats prior to launching. AG will offer an opinion shortly; then may follow a change in MD law; using the protocol developed by 7 western states as guidance.

Anne Arundel County

- Bud Reaves: surveys starting next month; In Jug Bay, currently doing inventory and mapping. We found EAB in the swamp. Have had lots of complaint calls related to bamboo; Connecticut signed into law this year a law requiring landowners to control their bamboo, with a 100' buffer from public thoroughfares and a 40' buffer from a property line. Bamboo owners are responsible for any damage their plantings have on adjacent properties, with criminal penalties.

Cheverly

- Matt Salo: "Chief Eradicator" for Cheverly, working on barberry, bittersweet (on the increase), Japanese knotweed, *Euonymus fortunei* (also increasing) and *E. alatus* which is stump-sprouting, Japanese stiltgrass and bamboo. No strategy for the last species. Most worried about Vinca, as it is spreading through the woods and prevents native plants from growing.

The Nature Conservancy

- Deborah Landau: Treatment of hemlock woolly adelgid in Cranesville Swamp in Garrett County, through a cooperative partnership including TNC, MDA, DNR, WV, and USDA Forest Service; common treatment via soil injections could not be done over ephemeral streams and underground pools because of endemic invertebrate present, champion state hemlock here; didn't treat as much as we wanted, but got a lot. We found it in 2012, but Morgantown folks from USDA found it on coated branches, HWA probably there for much longer than we thought, so not just an incipient invasion.
 - Bob Trumbule: Was there any mortality over the winter? Myersville hemlocks are doing really well. HWA cannot withstand cold temperatures. Deborah Landau: treated as early as possible after finding; hoping that this severe winter will have killed most of them
 - Jil: any other pests on hemlocks, like scale? Deborah: No, the site is isolated so pretty pest free

Rockville Native Species Network

- Anne Goodman: There is a major problem with lesser celandine right next to Rock Creek; nature center folks concerned with using herbicides around the creek and native plants. Advice?
 - Marc Imlay: apply early in the season so it won't affect natives; use glyphosate when the water levels are down
 -

Caroline Puckett: Have gotten a call on "jumping worms"

Jim Young: cheese skipper larvae will do this when they warm up

Mike Ellis: Asian jumping worm sold as GA jumper sold as bait see website: Invasion of the Exotic Earthworms

Next Meeting

July 17th – Kerrie Kyde will check on availability of Visitors Center meeting room at Seneca Creek State Park for next meeting. Mike Greenberg can get Robinson Nature Center for September.

Mike Ellis: Any update on IPAC Tier 1 and 2 plants? Kerrie Kyde: not yet

Adjourned: 11:50 am

Respectfully submitted,
Kerrie Kyde, with gratefully acknowledged assistance from Vada Ritchie.