



# Jackson, Lenawee and Washtenaw Cooperative Invasive Species Management Area 2023 Year In Review

The JLW CISMA is approaching its sixth year of providing invasive species education, outreach, survey, and management activities in the Jackson, Lenawee, and Washtenaw County region! Funding from the Michigan Invasive Species Grant Program and the Great Lakes Restoration Initiative allowed us to survey and manage for invasive species, and provide training opportunities to increase local capacity. This year saw the appearance of three high profile forest pest species (hemlock woolly adelgid (HWA), box tree moth and beech leaf disease), resulting in a year of learning and new partnerships to meet these new challenges! This brief summary includes survey, management, and outreach efforts during the 2023 fiscal year (October 1, 2022 through September 30, 2023).

## Education & Outreach

Education and outreach is integral to invasive species prevention. We strived to reach out to a variety of audiences, and assisted them in being able to identify and report watchlist species, provide decontamination tips, expertise in species management, hosted training sessions, and created informational videos. We also partnered with DNR and University of Michigan staff to drop off HWA informational packets at each house near the HWA hot zone. During this fiscal year, we had 623 engagement efforts which reached 66,546 people via seminars, trainings, community events, social media, phone calls, emails etc. One hundred and fifteen of those efforts were direct engagements, resulting in 1309 face-to-face, phone or virtual interactions with residents, partners, municipal staff, policy makers and various associations.



## Survey & Treatment

Approximately 502.1 acres of land and water were surveyed by JLW CISMA staff with assistance from partners and agency staff. We surveyed for European frog-bit, tree of heaven, Japanese stiltgrass, red swamp crayfish, swallow-wort (pale and black), and mile-a-minute weed etc. Management activities were performed on 20.5 acres of land and water, which included contracted treatment of stiltgrass at Watkins Lake, removing garlic mustard at Haehnle Audubon Sanctuary, contracted treatment of European frog-bit at Mud Lake (Waterloo Recreation Area), tree of heaven management at Hidden Lake Gardens, and performing swallow-wort treatment on a high-quality partner easement property. We continued to co-host a native seed collection event where collected native flower seeds will be planted elsewhere as a part of local restoration efforts.



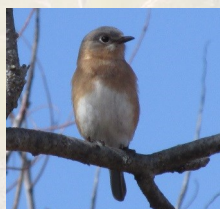
## Future Activities

A MISGP grant application was submitted in order to follow-up on survey and management efforts for stiltgrass, swallow-wort, and mile-a-minute weed. A state wide frog-bit grant was extended, so we will be able to provide another year of survey and treatment! We are hoping to increase local awareness on new forest pests such as spotted lanternfly, hemlock woolly adelgid, beech leaf disease, and oak wilt, and remind people of established invasive species commonly found .



Above shows beech leaf disease, right is a picture of HWA.

*Invasive species negatively impact food and habitat for native species such as the Eastern bluebird (right).*



**If you have questions, please contact Dr. Shikha Singh at [shikha.singh@macd.org](mailto:shikha.singh@macd.org) or (517) 395 - 2089. Or visit our website: [www.jlwcisma.weebly.com](http://www.jlwcisma.weebly.com)**

## Social Media Campaign

	Posts (#)	*Passive Impressions
Facebook	189	47,954
Twitter	163	9699
Instagram	103	7036



*\* Passive impressions are number of people who have been exposed to posts*