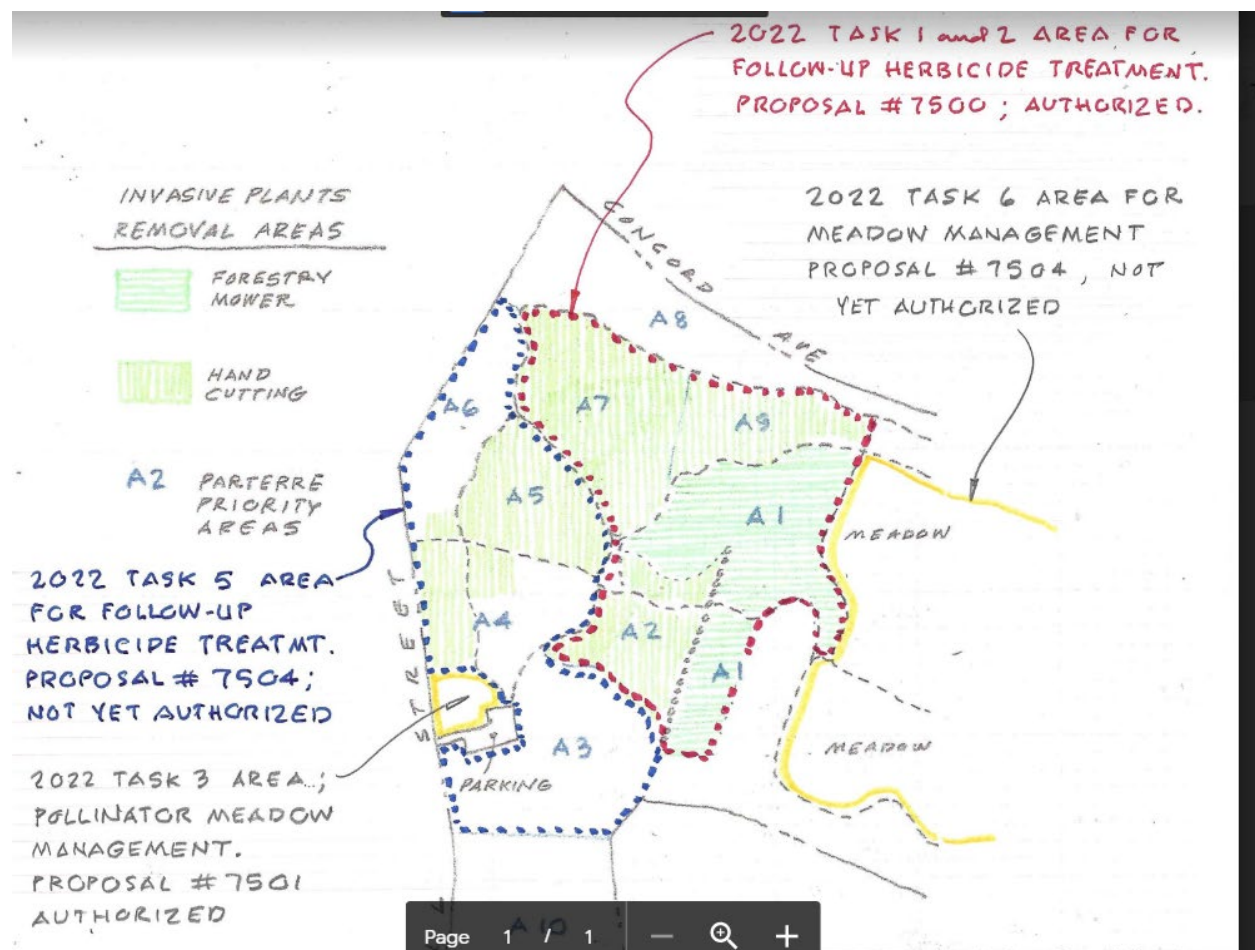


Client: Lone Tree Hill Management Committee
Lone Tree Hill
jeffreynorth@gmail.com

Date: 7/12/22 - 7/19/22

Field Technicians: Ryan Corrigan, Rober Oppenheimer, Claire Hilsinger, Matt MacDonald

Work Completed: Last week we treated invasive plants in zones A1, A2, A7 and A9. We targeted *Frangula alnus* (glossy buckthorn) as it was the most numerous invasive species. In addition to glossy buckthorn we were also able to treat less numerous invasive species like *Lonicera maackii* (honeysuckle) and *Acer platanoides* (Norway maple).



In zone A1, A7 and A9, we targeted invasive species with a foliar application of 5% Garlon 3A (triclopyr) herbicide.

Claire applying herbicide via foliar spray



In zone A2, we targeted invasive species with a cut/stump method using Garlon 3A (triclopyr) herbicide.

Emma sawing buckthorn to apply herbicide stump treatment



Before and after buckthorn cut/stump example



Observations: Treatments on invasive shrubs on 7.12 appeared very effective even after a week (when viewed by Ryan and committee 7.19. These will likely take 2-3 weeks to defoliate. Shortly after we will perform a followup treatment to ensure those that were missed or didn't take to the herbicide are treated. Below the buckthorn were many White Oak, Black Cherry and White Pine saplings. With deer protection, these could be required to fill the mature understory. Toward the west our team found a healthy population of Little Bluestem, Wild Indigo, and Low-Bush Blueberry exemplar of dry sandy pitch pine forests. These should be used as examples of what types of species could thrive after invasives are eliminated. In A1, Joe Hibbard has installed a small 'Mother Colony' of Mountain Mint which was installed densely to provide a future seed source to exposed soils. Golderods and Frost Aster are also establishing well in the A1 meadow area.

Baptisia tinctoria Wild Indigo near the trail between A8 and A7



Lady Slipper (*Cypripedium acaule*) with spent bloom below the Pitch Pines



Chimaphila maculata (spotted wintergreen)



Maianthemum canadense (Canada mayflower)



Maianthemum racemosum (false solomon's seal)



Black swallow wort showing treatment efficacy



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Ryan Corrigan MSED, MCH

Ecological Project Manager

Certified Invasive Species Specialist

Certified Commercial Drone Pilot

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