



Audubon

Constitution Marsh
Audubon Center
and Sanctuary

**Final Report PRISM Grant 2023
Ramshorn Livingston Audubon Sanctuary
Small Carpet Grass Removal**

Ramshorn Livingston Audubon Sanctuary, located in the town of Catskill in Greene County, NY, is a freshwater tidal wetland along the Hudson River. The marsh is an ecologically important area, hosting several rare plants and animals.

We identified two invasive species to be targeted for treatment for the 2023 PRISM Grant, *Anthraxon hispidus* a Tier 2 species and ranked high by New York State, and *Phragmites australis*, a Tier 4 species and ranked very high by New York State. For both invasive species, we proposed to chemically treat to ensure that these invasives do not spread.

The project to treat *Anthraxon hispidus* and *Phragmites australis* was successfully completed. We treated the patch of small carpet grass with glyphosate instead of mechanical means in order to reduce soil disturbance to the area. This area is subject to flooding and has a high likelihood of erosion from wave action from the Hudson River. Upon our return a few weeks later, no individuals of small carpet grass were found. The nearby patch of *Phragmites australis* was also successfully chemically treated to ensure that native marsh vegetation continued to recolonize the area where the small carpet grass was treated. Treating this area also ensures that the native vegetation is what is migrating with sea level rise, rather than invasive species such as Phragmites. Lastly, while treating the phragmites, we believe that we found a male European alder (*Alnus glutinosa*) shrub.

All the data has been uploaded to Imaps. The treatment record is 32363.



Treating Anthraxon hispidus



Post Treatment of Anthraxon hispidus



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European Alder