



MASSWILDLIFE

MassWildlife Fire-Managed Grasslands: Restoring Grasslands Big and Small

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MassWildlife Fire-Managed Grasslands: Restoring Grasslands Big and Small

- Fire management in grasslands
- Grassland natural communities managed with fire
- Biodiversity value of grasslands
- Cool season vs. warm season grasslands
- Site selection and project design
- Restoration in action

Fire-Managed Native Warm Season Grasslands



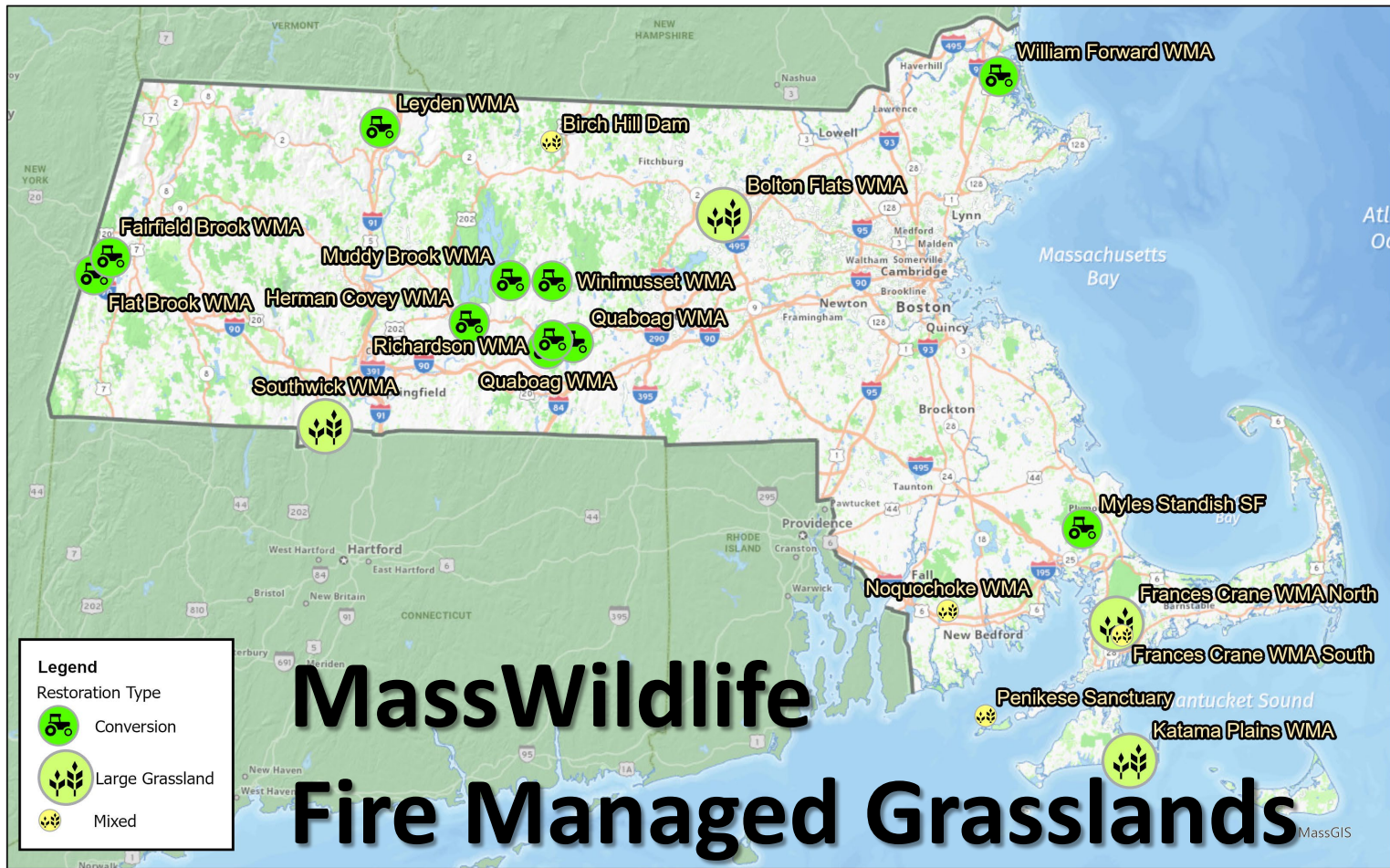
Fire-Managed Native Warm Season Grasslands



Species of Greatest Conservation Need

- 151 of 365 (41%) upland SGCN occur in grasslands/heathlands





Grassland Natural Communities



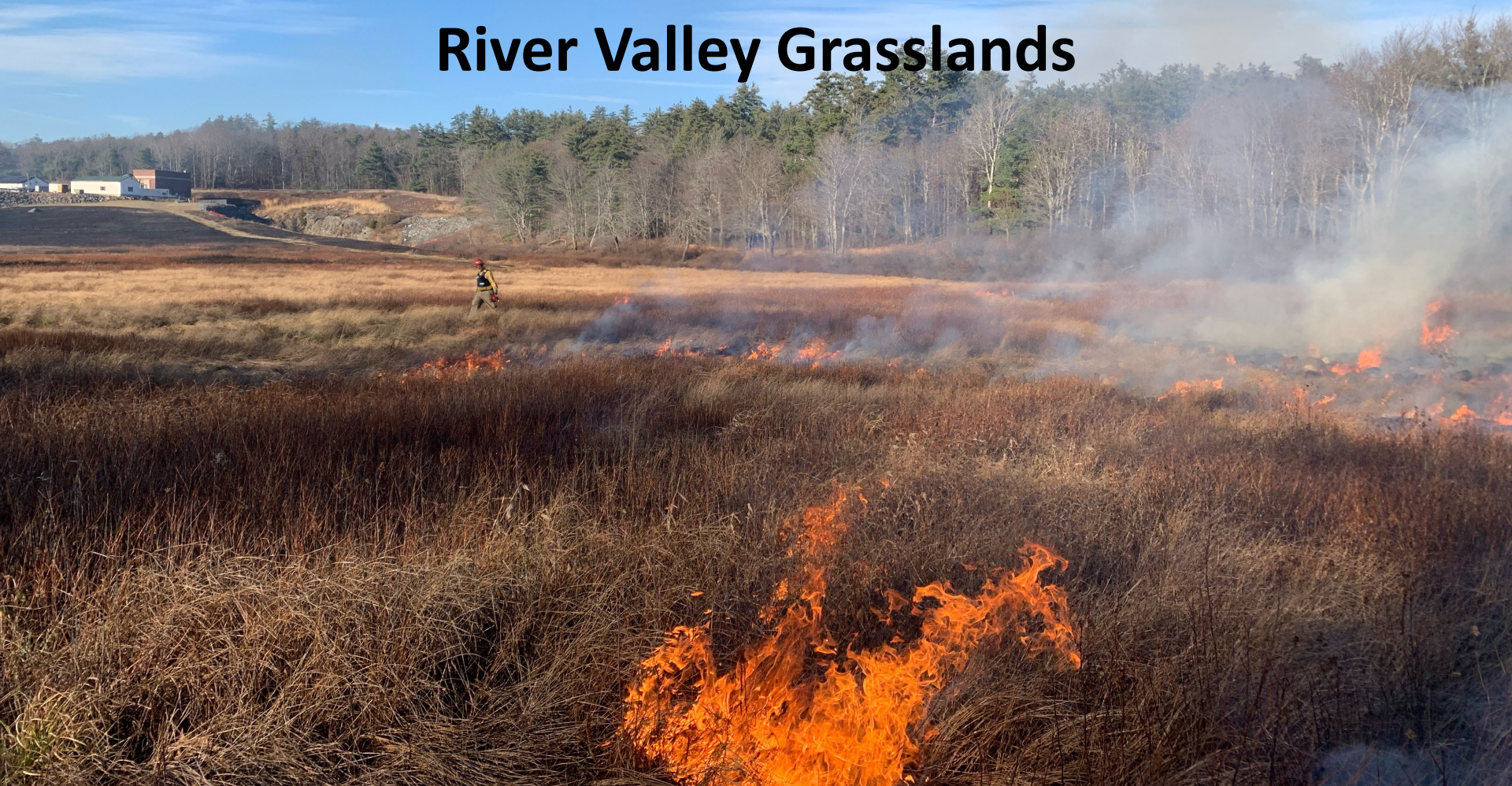
Sandplain Grasslands



Maritime Grasslands



River Valley Grasslands



Wetlands



Old Fields and Forest Openings



From This...

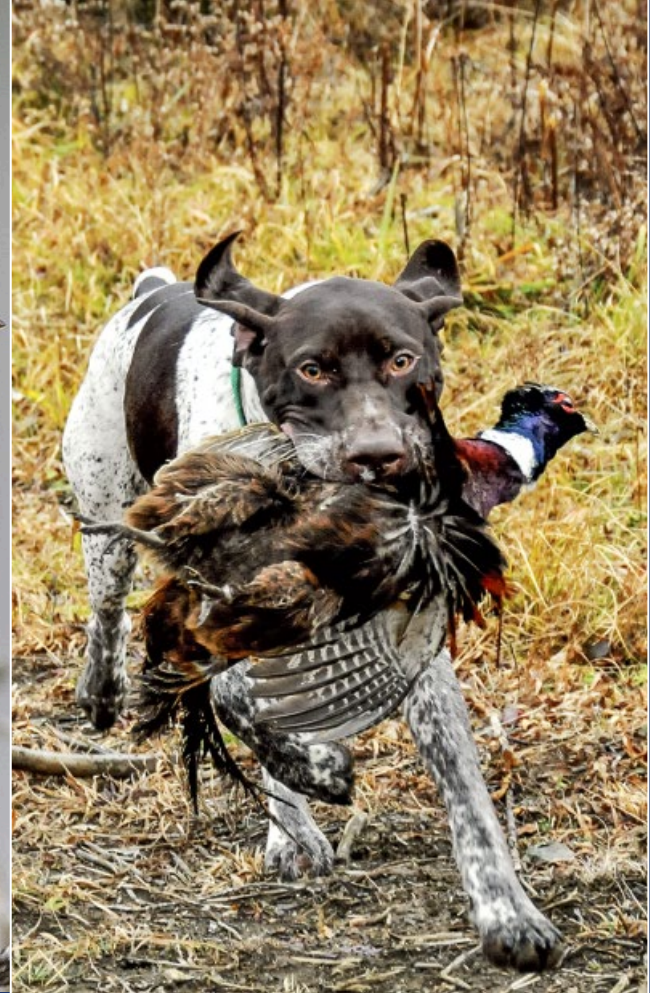


To This...





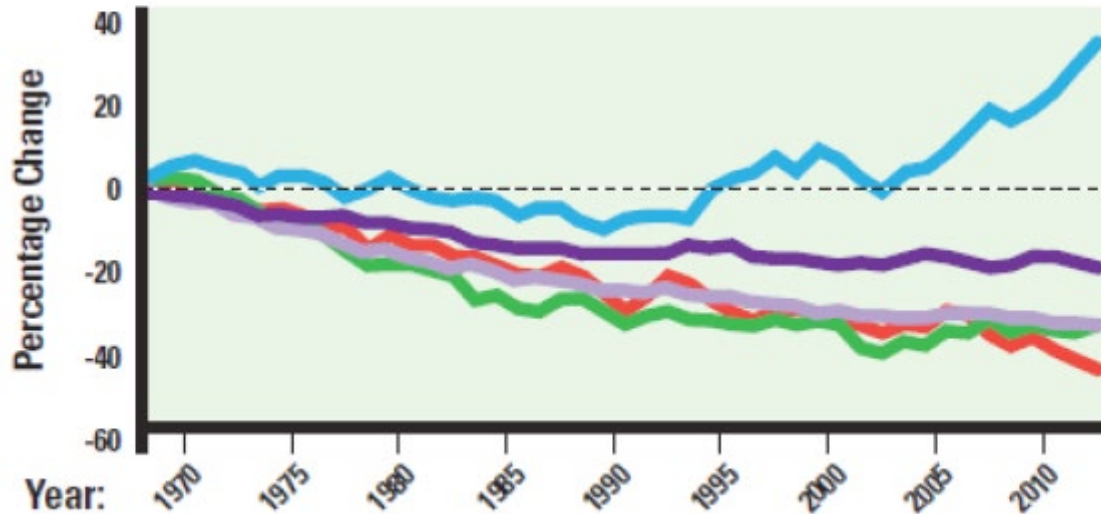
For This...



For the Birds...

BIRD POPULATION INDICATORS IN FIVE INLAND HABITATS

● Grasslands ● Aridlands ● Eastern Forests ● Western Forests ● Wetlands



MassAudubon

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Cool Season Grasslands



Cool Season Grasslands



Cool Season Grasslands



Native Warm Season Grasses



Warm Season vs. Cool Season



Warm Season vs. Cool Season



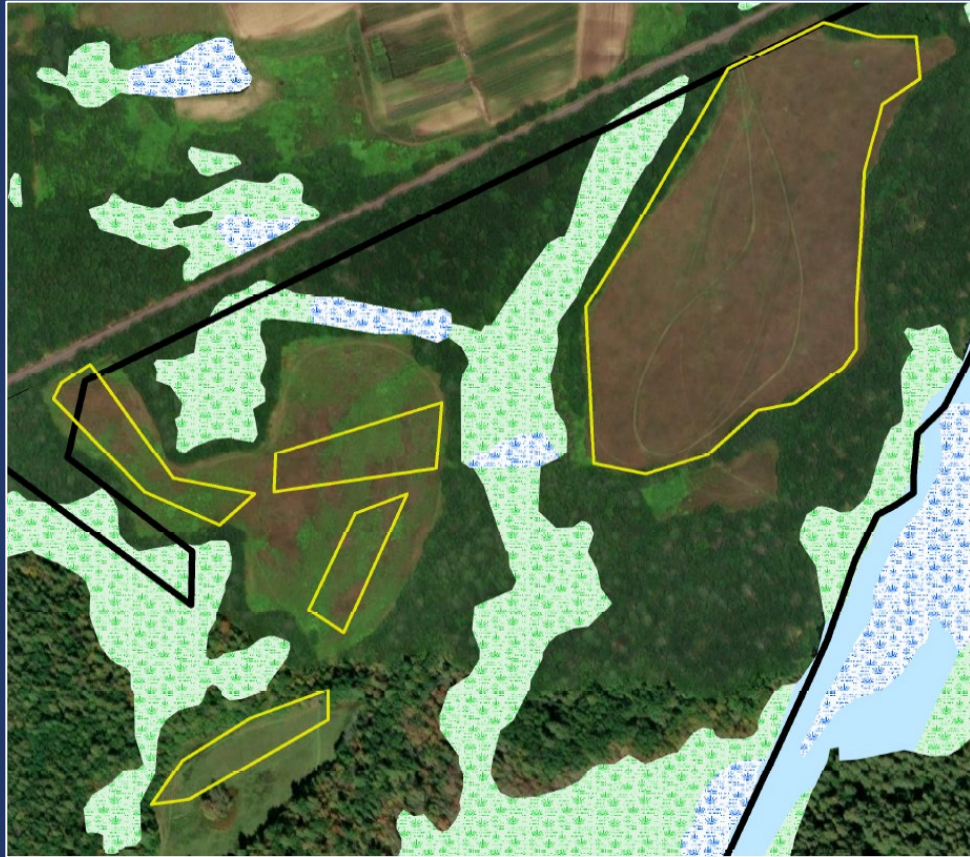
Clump Forming Grass



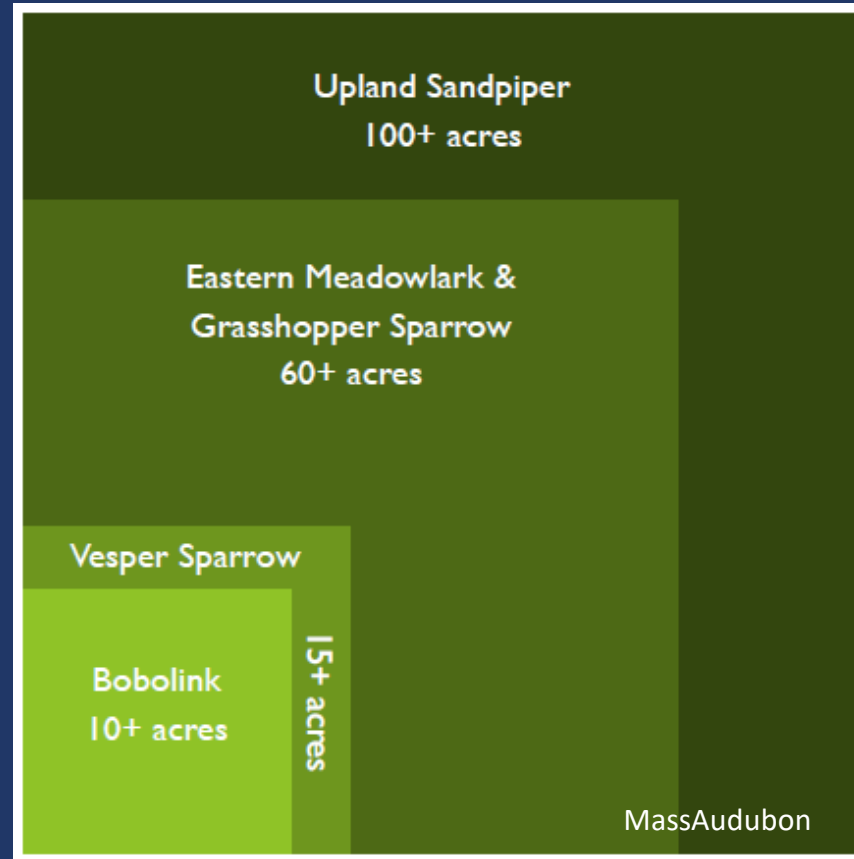
Native Warm Season Grasslands



Site Selection and Project Design



Optimal Field Size for Grassland Birds



Enlarging Fields



Google Earth

Enlarging Fields



Forest Openings



Forest Openings



Forest Openings



Forest Openings



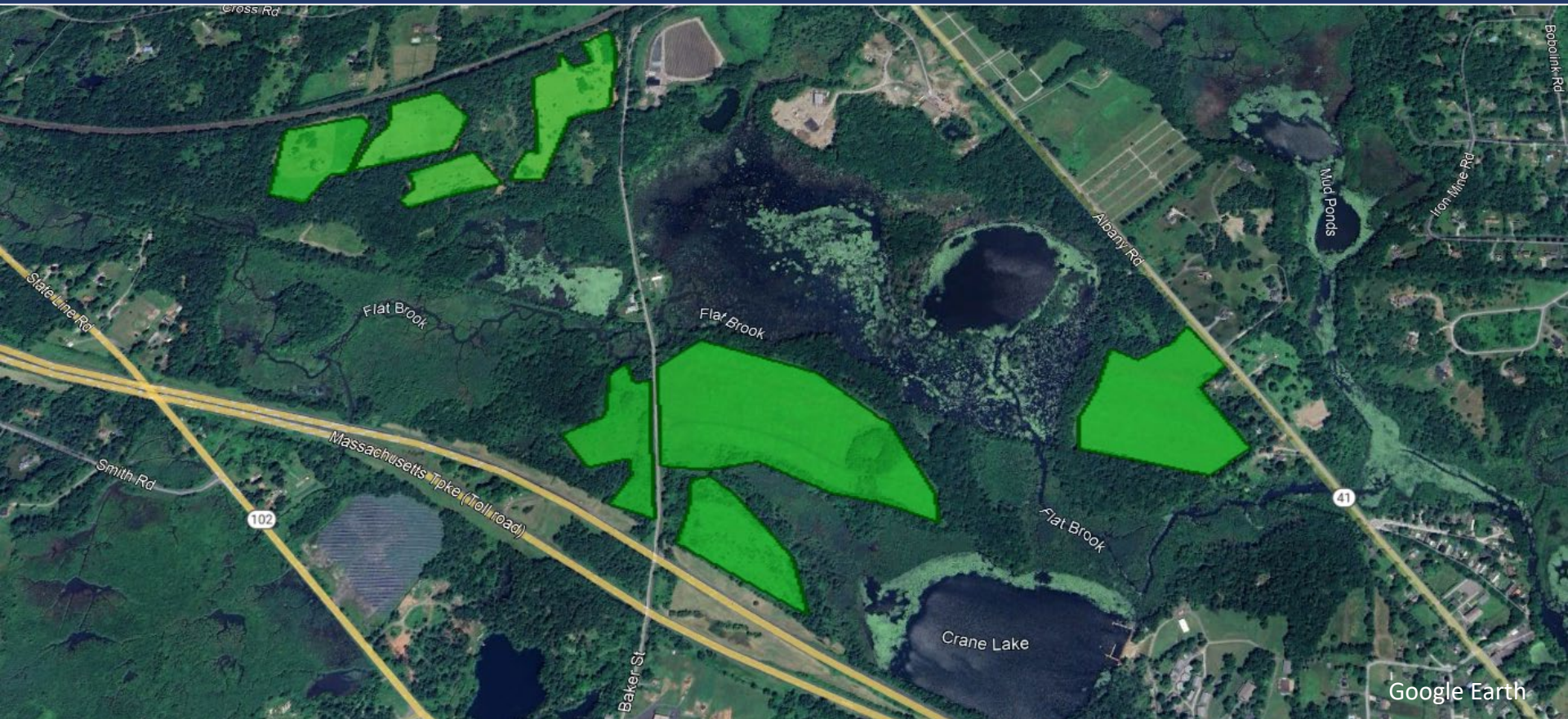
Forest Openings



Forest Openings



Feasibility for Implementing Fire



Feasibility for Implementing Fire



The Process

Kill the invasives



Burn the thatch



Prepare the ground



Harvest the seed



Plant the seed



Kill the Invasives



Burn the Thatch



Harrow the Ground



Harvest the Seed



Plant the Seed



Cultipack or Roll

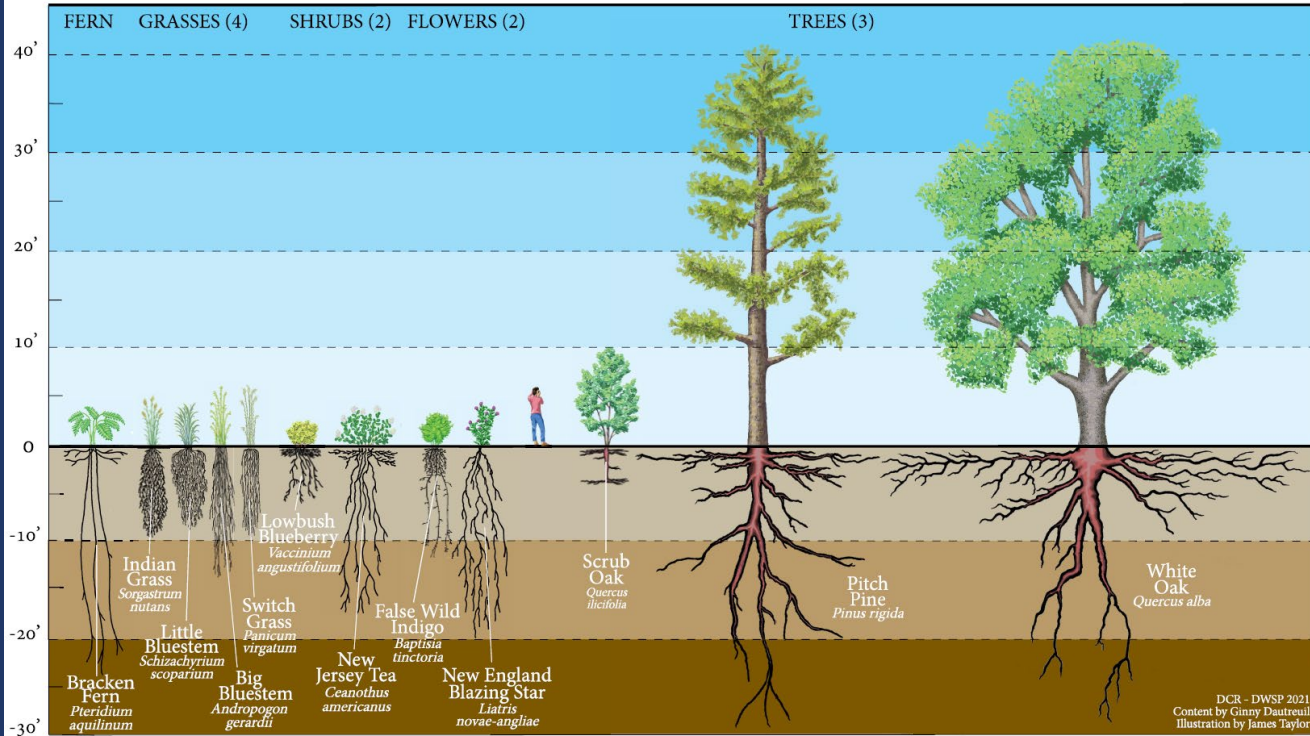


Patience, Patience, Patience

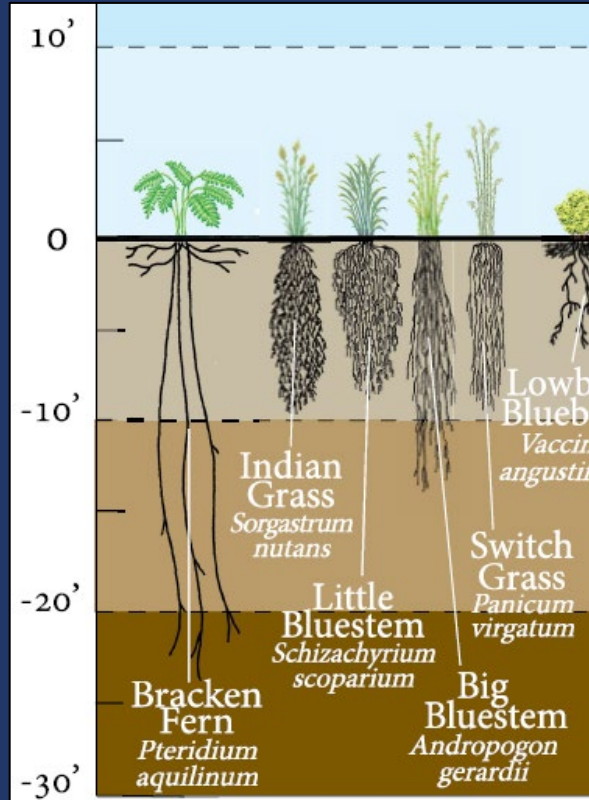


Roots then Shoots

Root Profiles of Northeastern Fire-adapted Plants



Roots then Shoots



Signs of Success



If at First You Don't Succeed...



Enjoy the Fruits of Your Labor



Burning Questions?



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