Productive Conservation for Flood Prone Fields





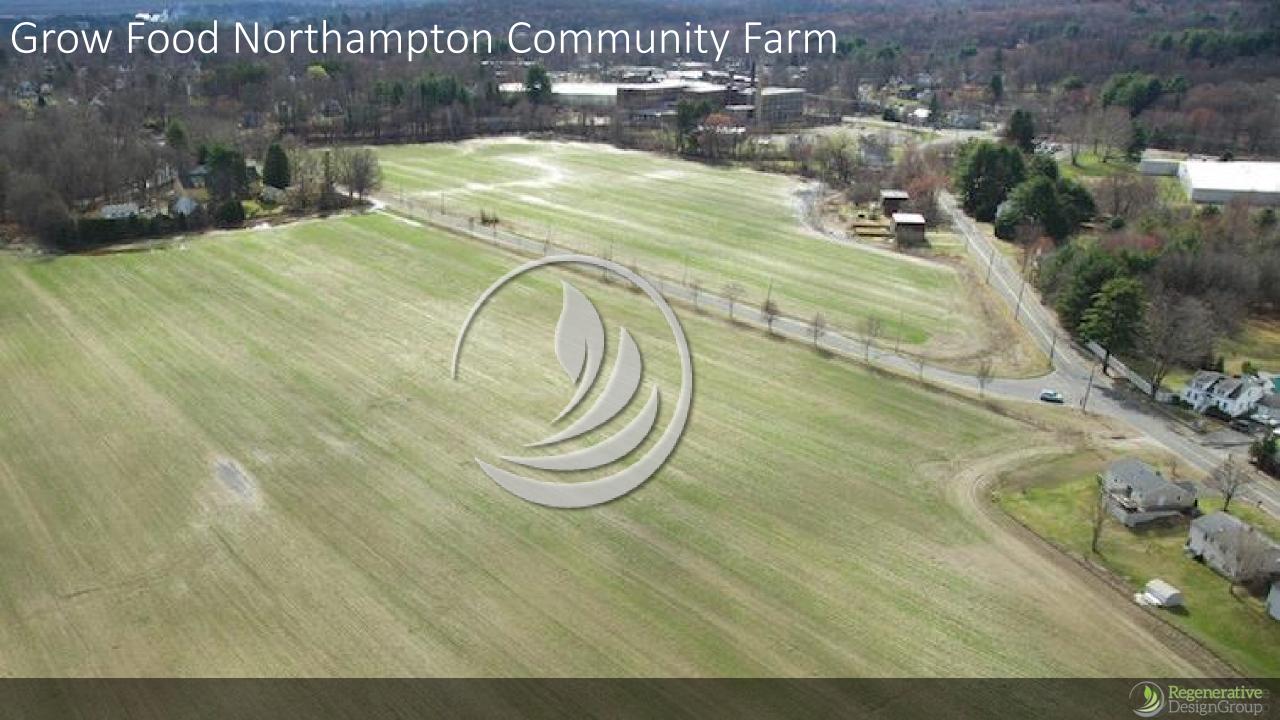
Multiple Functions of Productive Landscapes

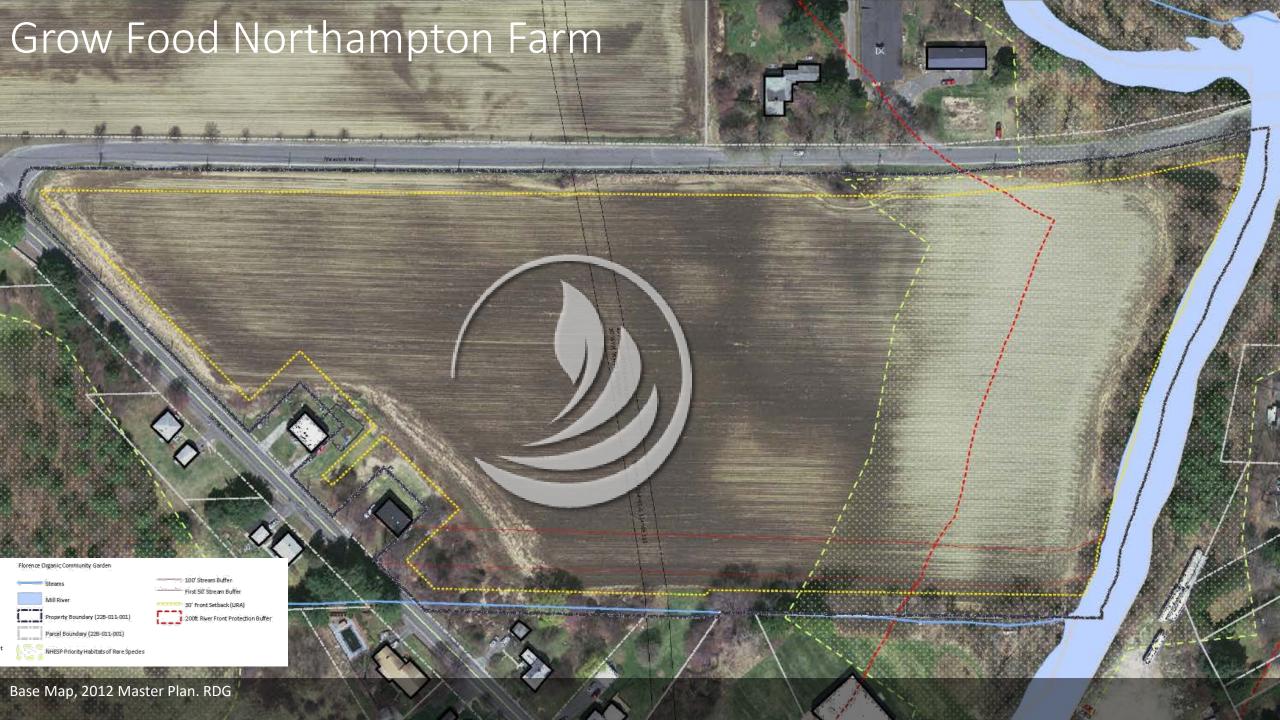


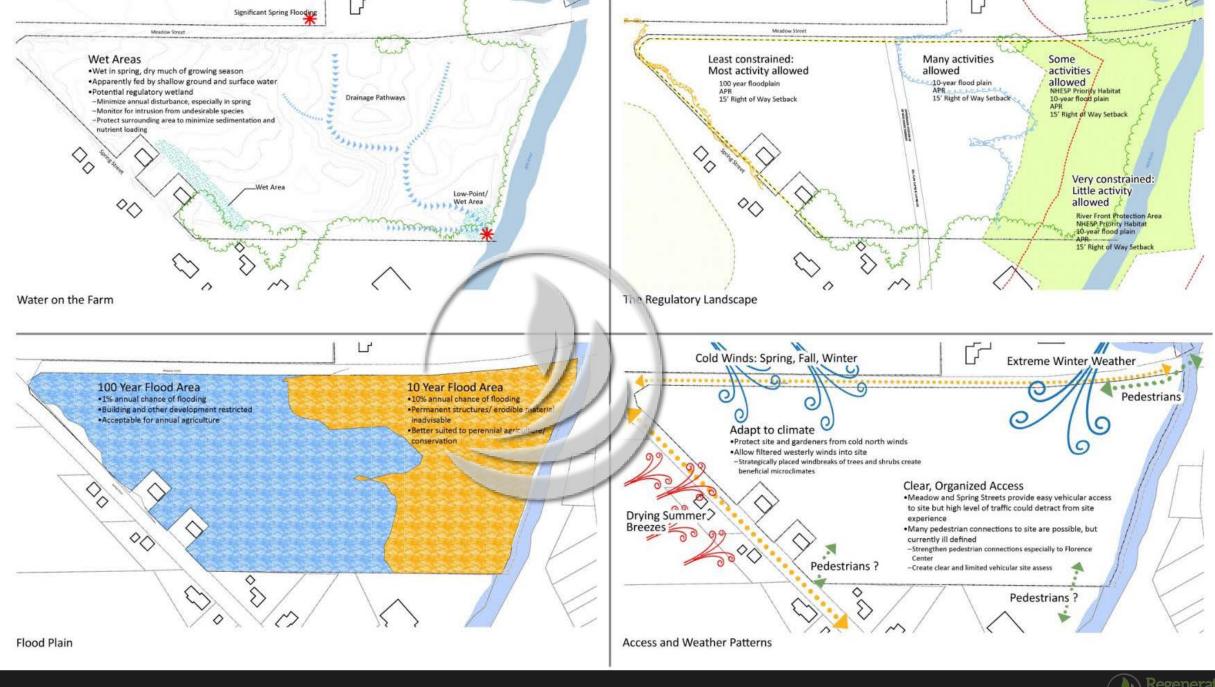
















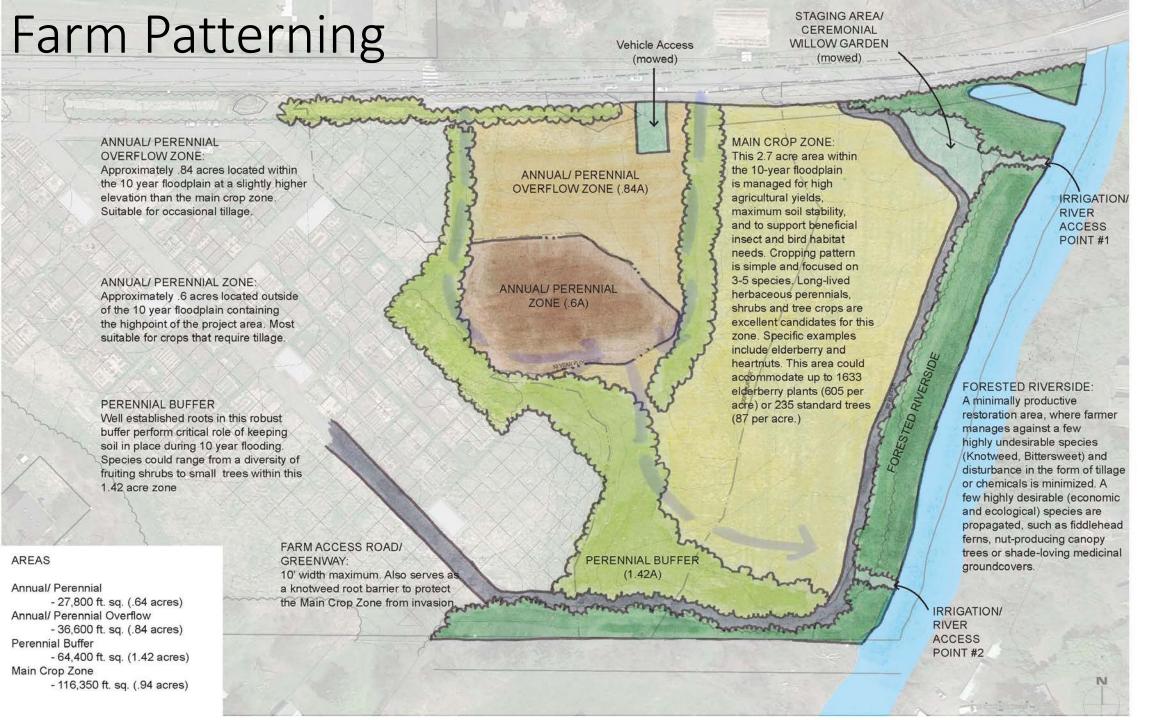


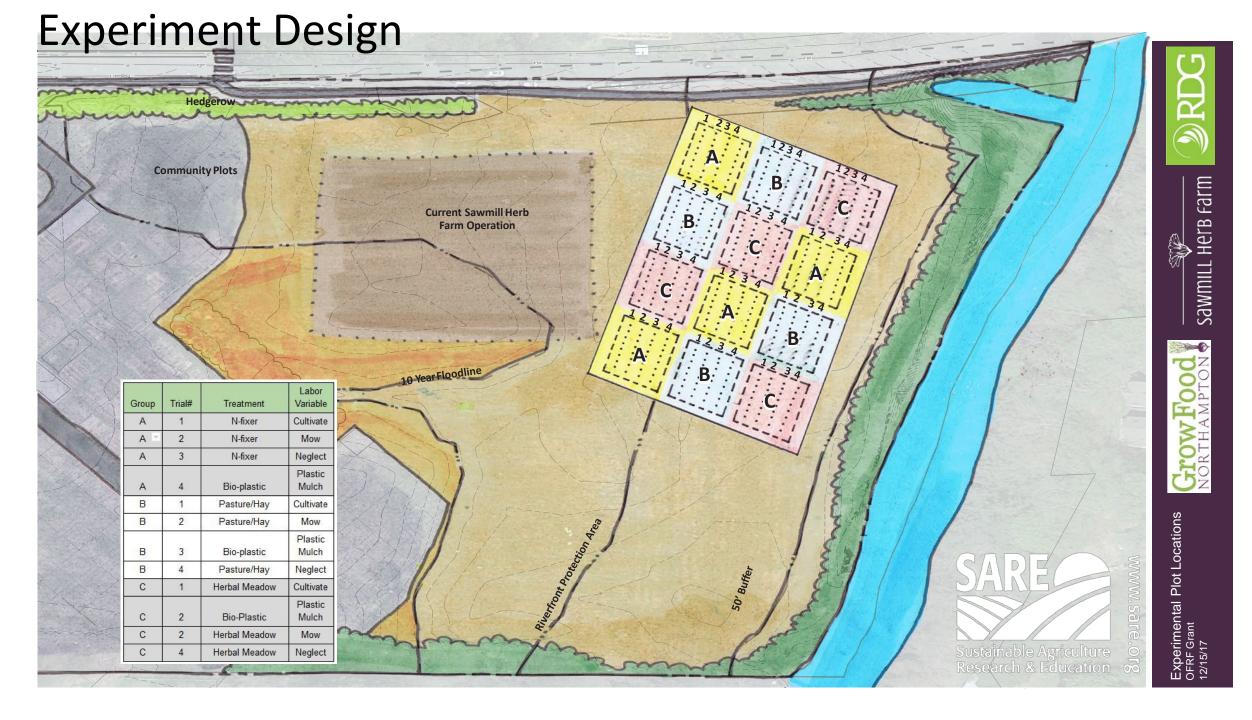






Sawmill Herb Farm

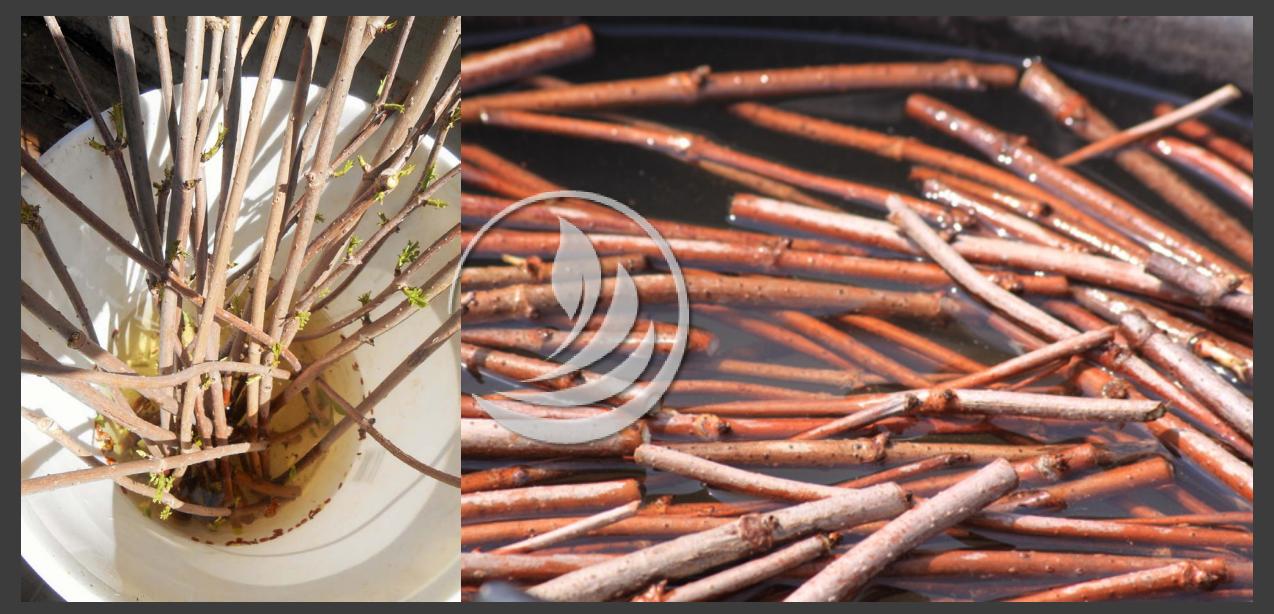








Elderberry Planting



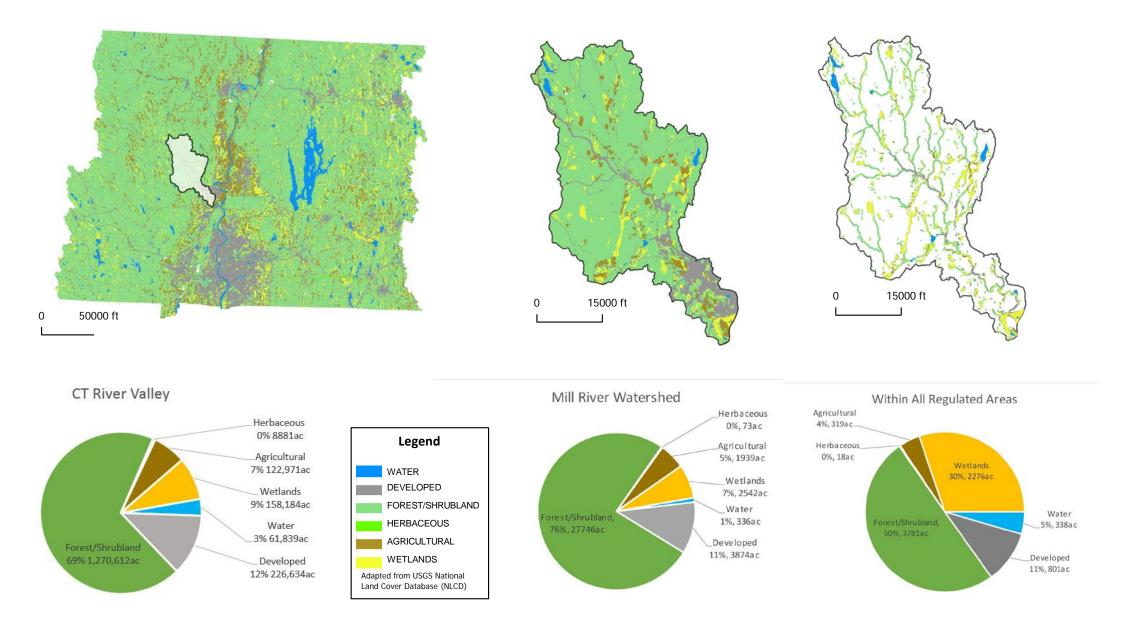


Elderberry Planting





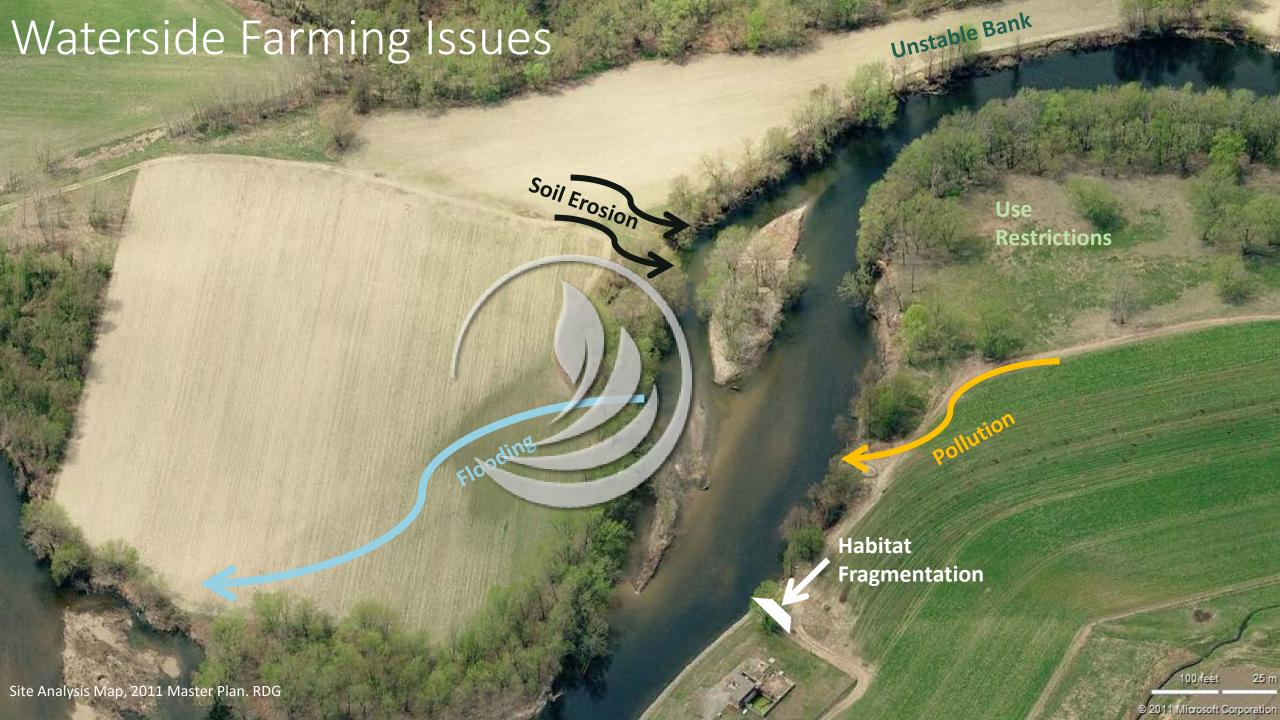
Land Use Within Connecticut and Mill River Watersheds



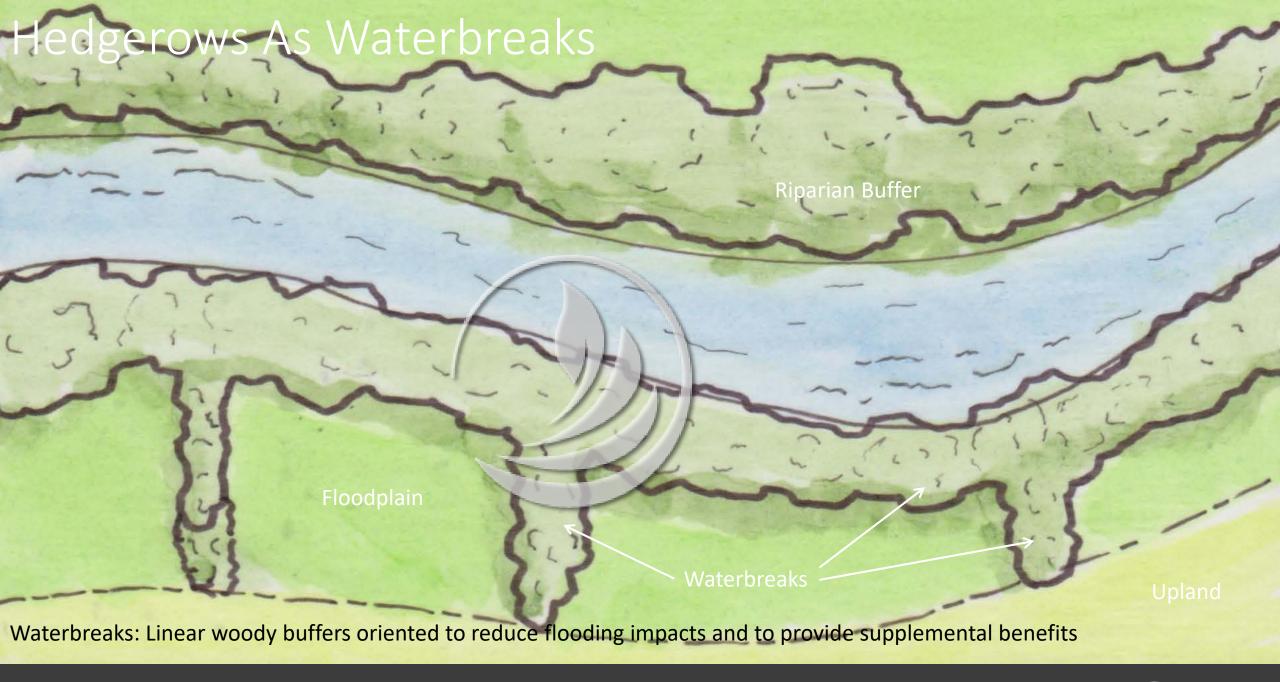


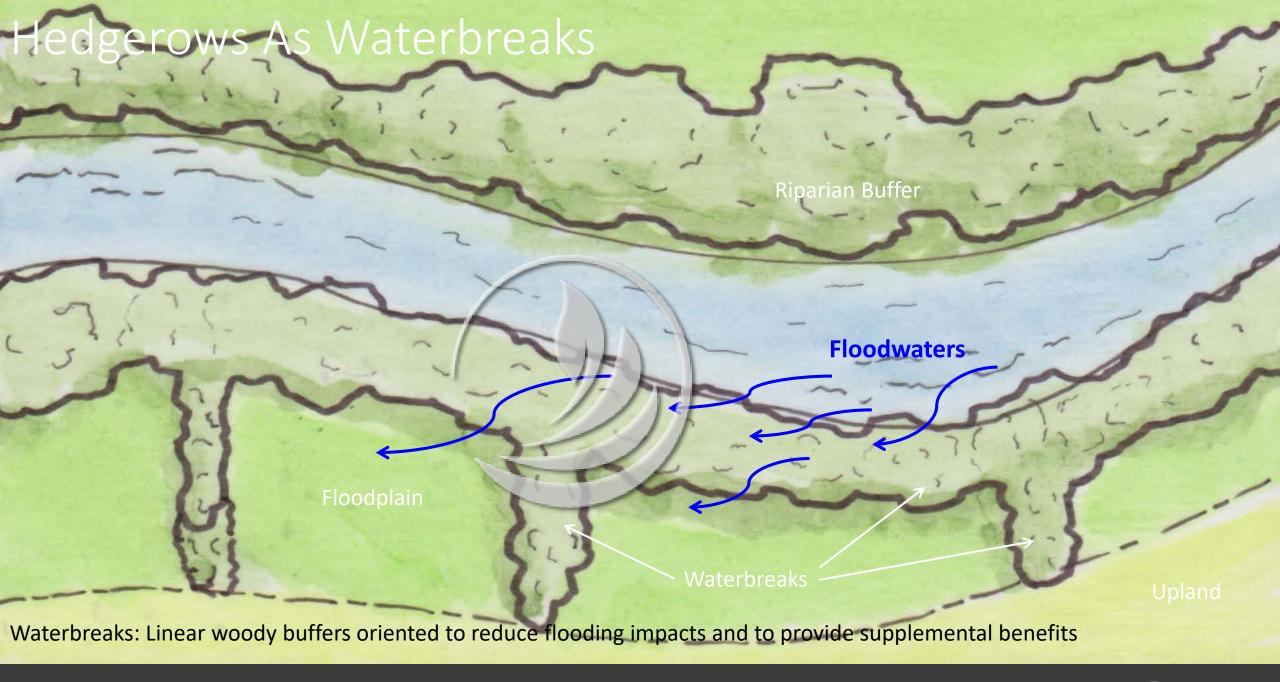




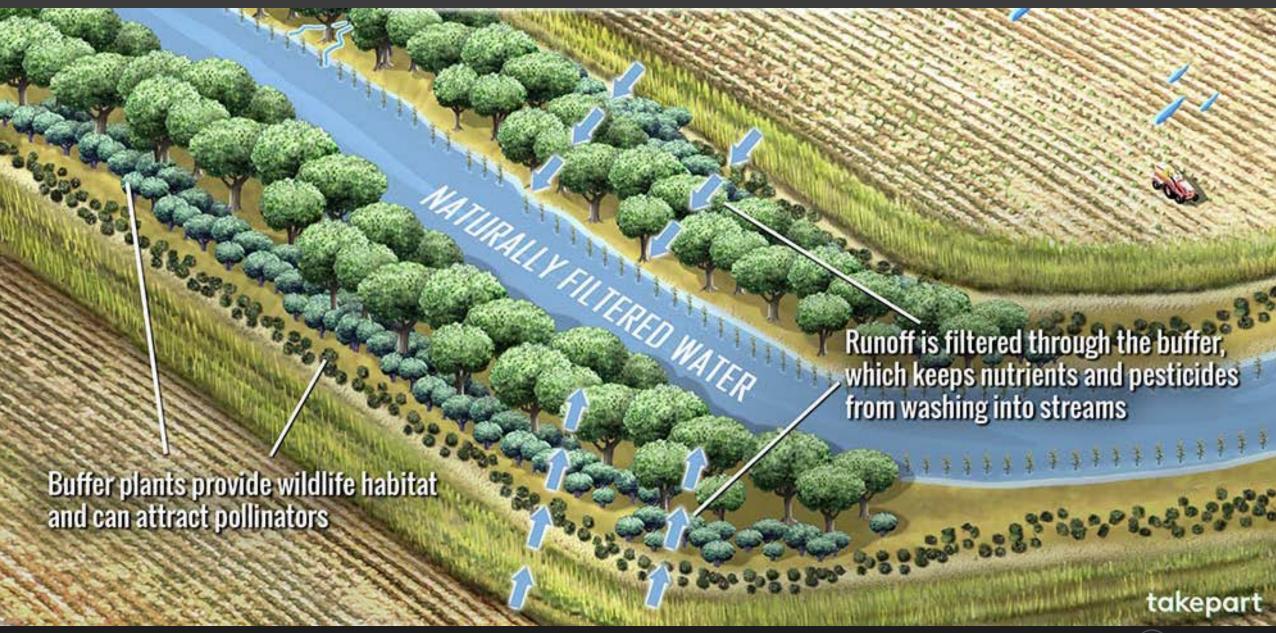


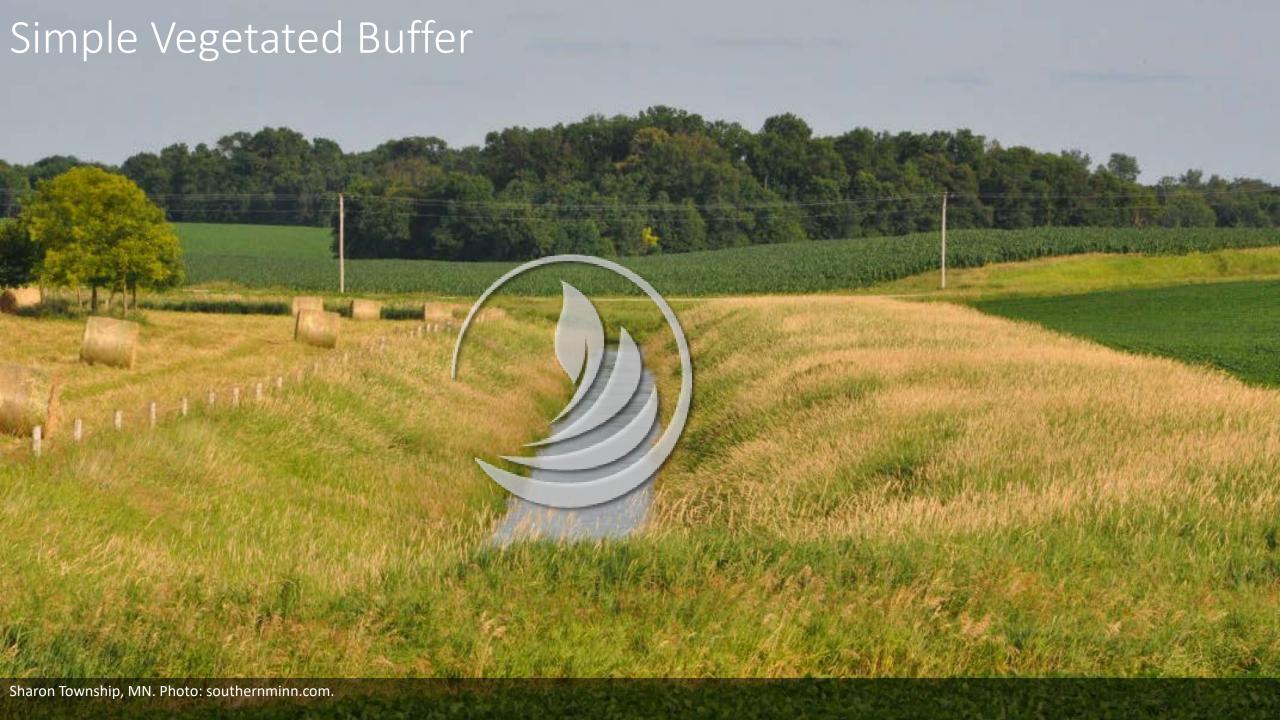






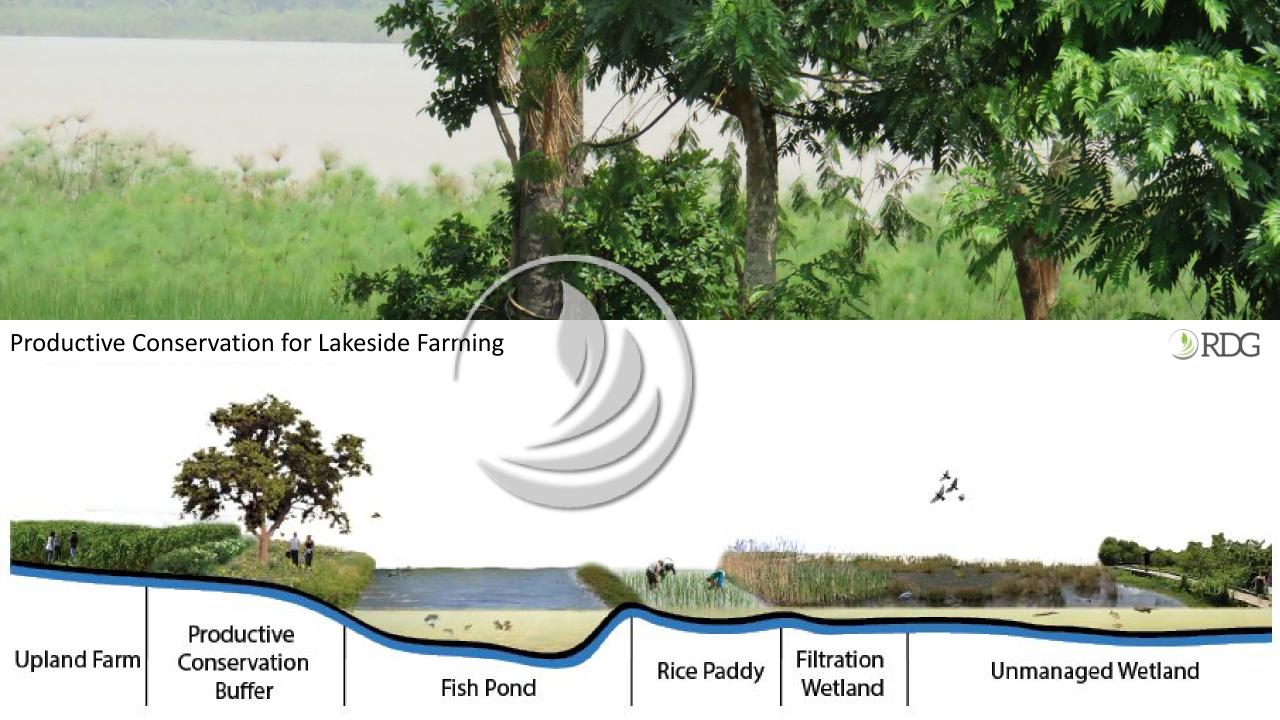
Riparian Buffers Provide Multiple Functions

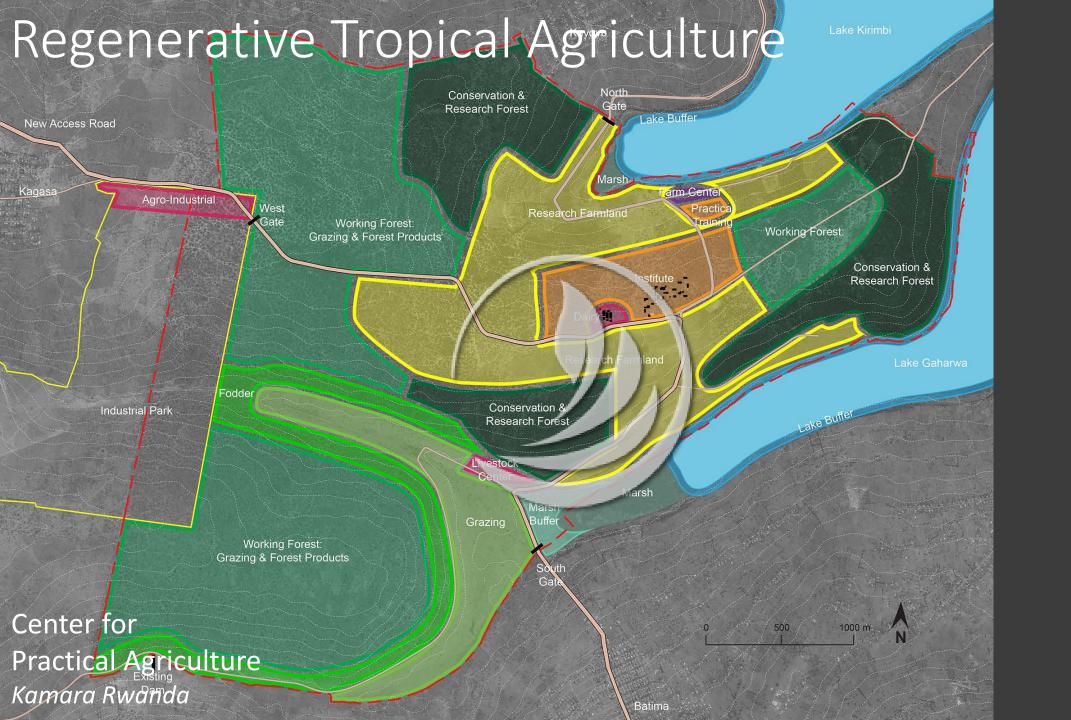




Productive Vegetated Buffers













Buffering landuses

- Moderating impacts
- Filtering pollution
- Reduce erosion

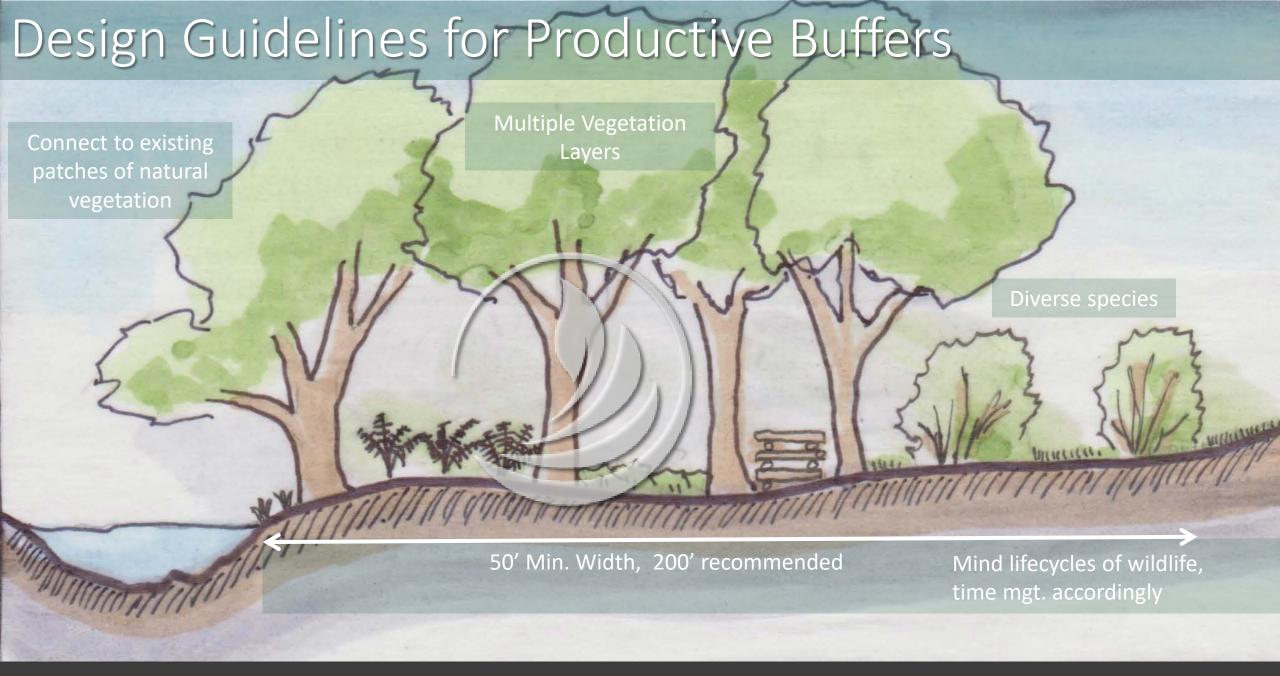
Crop & Economic Diversity

- Build soil
- Natural medicinals
- Niche foods/ season extension
- High-value florals
- Biomass production
- Animal fodder

Habitat

- Beneficial species
- Reservoir of local biodiversity
- Reconnect habitat patches

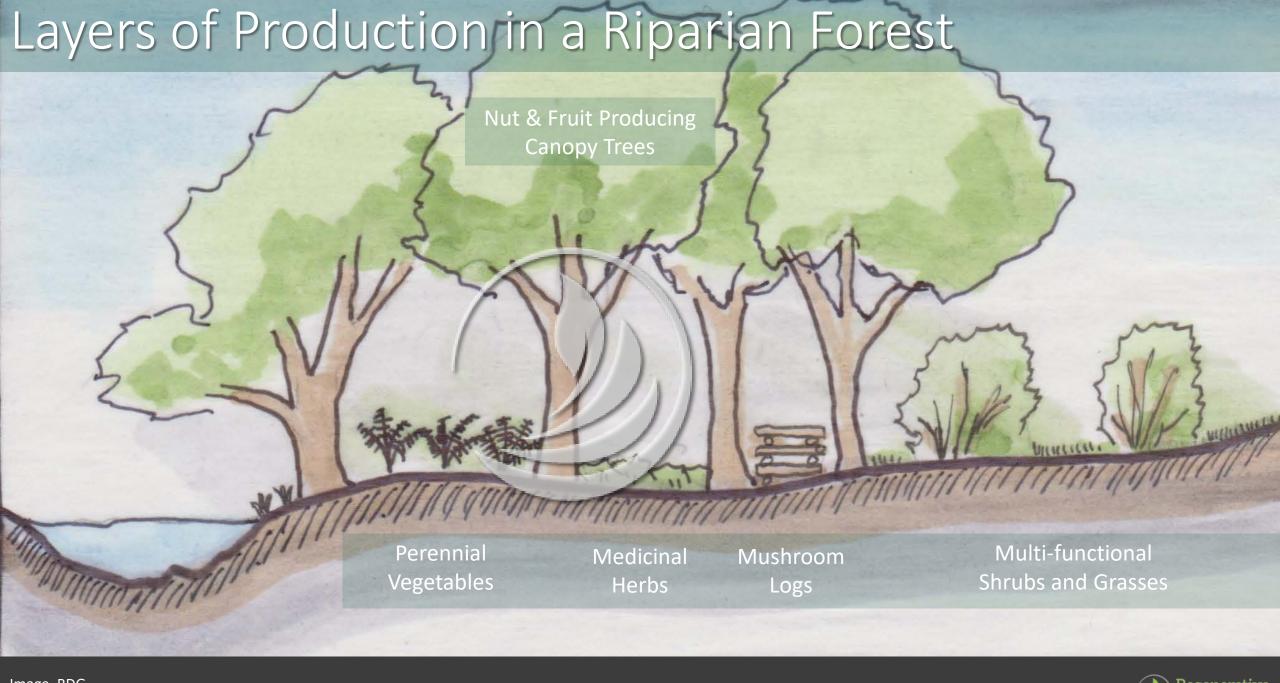




Productive Vegetated Buffers











Walnuts or Heartnuts with Herbal Understory







Michigan Pecan Carya illinoensis

















Ostrich Fern









Ramps *Allium tricocum*







Log-Cultured Mushrooms Shitake Wild Morel



Adapted to wet soils

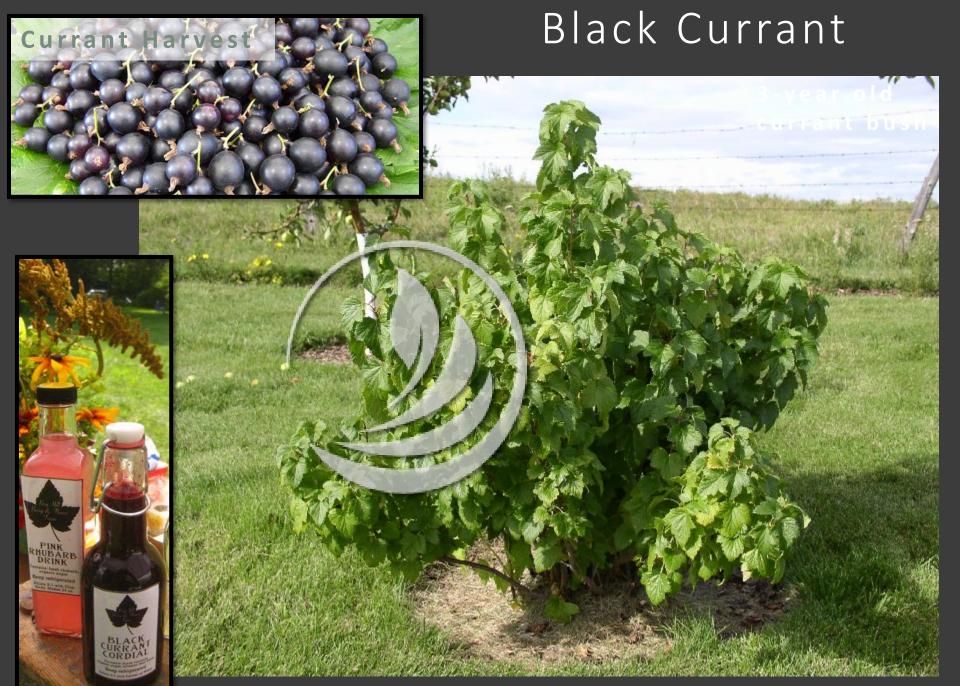


Highbush Blueberry Vaccinium corymbosum









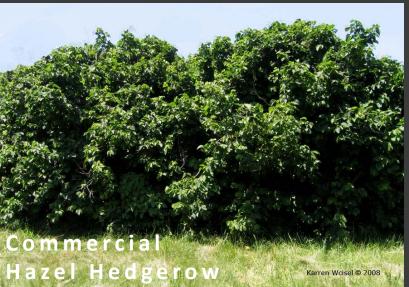








Hybrid Hazelnuts









Red Osier Dogwood *Cornus serica*









Uses of coppice materials







Level of Complexity and Scale

High diversity-small scale

Low diversity- Broad scale



Diversified forest garden requires sophisticated management

Production oriented forest farm has streamlined maintenance requirements



