MANAGE HABITATS

OBJECTIVE

Spread forest types over a range of sites and conditions, both existing and new, in order to increase combinations of location, site conditions, and species aggregations.

DESCRIPTION

Some of the alternative silvicultural strategies for habitat regeneration and management are the following: harvest clear cut or retention, rotation cycle, sizing of harvest units, pure or mixed species planting, multistore stands depending on habitat objectives.
Biological, economic, and social values or uses need to be considered. These values include timber production, wildlife habitat, aesthetics, recreation, watershed protection, biodiversity conservation.

EXPECTED RESULTS

Increase the opportunities for successful regeneration thereby increasing the likelihood of persistence of a species or community.

RESULT INDICATORS

Number of species preserved.

INVOLVED ACTORS

Public administration, forest responsible, scientist, population.

EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)
- Medium term (5-10 years)
- Long term (> 10 years)

BEST PRACTICES

- Michigan – USA
- Wisconsin – USA
- Germany
- Italy

CRITICALITIES

Monitoring of regeneration and timing of follow-up harvests are critical.
Shelterwood treatments are usually scheduled over a longer period (5 to 20 years) which requires good record keeping and timely follow-up. Residual overstory and advanced regeneration must be protected from damage during harvests; this may require harvests to be restricted to fall or winter. Logging costs are

higher than for clearcutting, but probably less than for selective harvests.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Green

SECTOR OF ACTION

- Agriculture / Forests / Land use
- Biodiversity / Conservation of ecosystems
- Other

CLIMATE IMPACTS

- Change or loss of biodiversity
- Other

IMPLEMENTATION SCALE

- Association of municipalities
- Region / Country

SOURCE

https://adaptationworkbook.org/niacs-strategies/forest#strategy-210
https://www.nrs.fs.fed.us/pubs/gtr/gtr-nrs-87chapters/butler_chap-2-gtr_nrs87.pdf