

Updates on the North American Botanic Garden Strategy for Alpine Plant Conservation

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2020

North American Botanic Garden
Strategy for Alpine Plant
Conservation



DENVER BOTANIC
GARDENS



Objectives

1. Understanding and documenting alpine plant diversity
2. *In-situ* and *ex-situ* conservation
3. Education and outreach
4. Capacity building



Alpine Strategy



PDF

SUMMARY OF OBJECTIVES AND TARGETS

The Alpine Strategy has four objectives and twelve targets to guide botanic gardens in meeting the objectives, summarized below.

OBJECTIVE 1 Understand and document alpine plant diversity.

TARGET 1. Develop a working map of all North American alpine areas by 2022.

TARGET 2. Create a list of all known alpine plants of North America that highlights alpine plants whose conservation status is ranked G1/T1 – G3/T3 by 2022.

TARGET 3. Assess land management designations for all North American alpine habitats by 2023.

TARGET 4. Provide online access to floristic inventories and research on North American alpine plants to minimize gaps in knowledge by 2030.

OBJECTIVE 2 Conserve alpine plants and their habitats.

TARGET 5. Protect 50 percent of the most Important Plant Areas (IPAs) for alpine plant conservation in North America by 2030.

TARGET 6. Conserve at least 25 percent of all identified North American alpine flora *in-situ* by 2030.

TARGET 7. Conserve 60 percent of threatened alpine plant species in North America *in-situ* by 2030.

TARGET 8. Conserve 60 percent of all identified alpine plant species in North America *ex-situ* by 2030.

TARGET 9. Ensure that at least 75 percent of all identified threatened North American alpine plant species are held in *ex-situ* collections, and 10 percent are in recovery and/or restoration programs by 2030.

OBJECTIVE 3 Promote awareness of the alpine ecosystem and plant diversity through education and outreach.

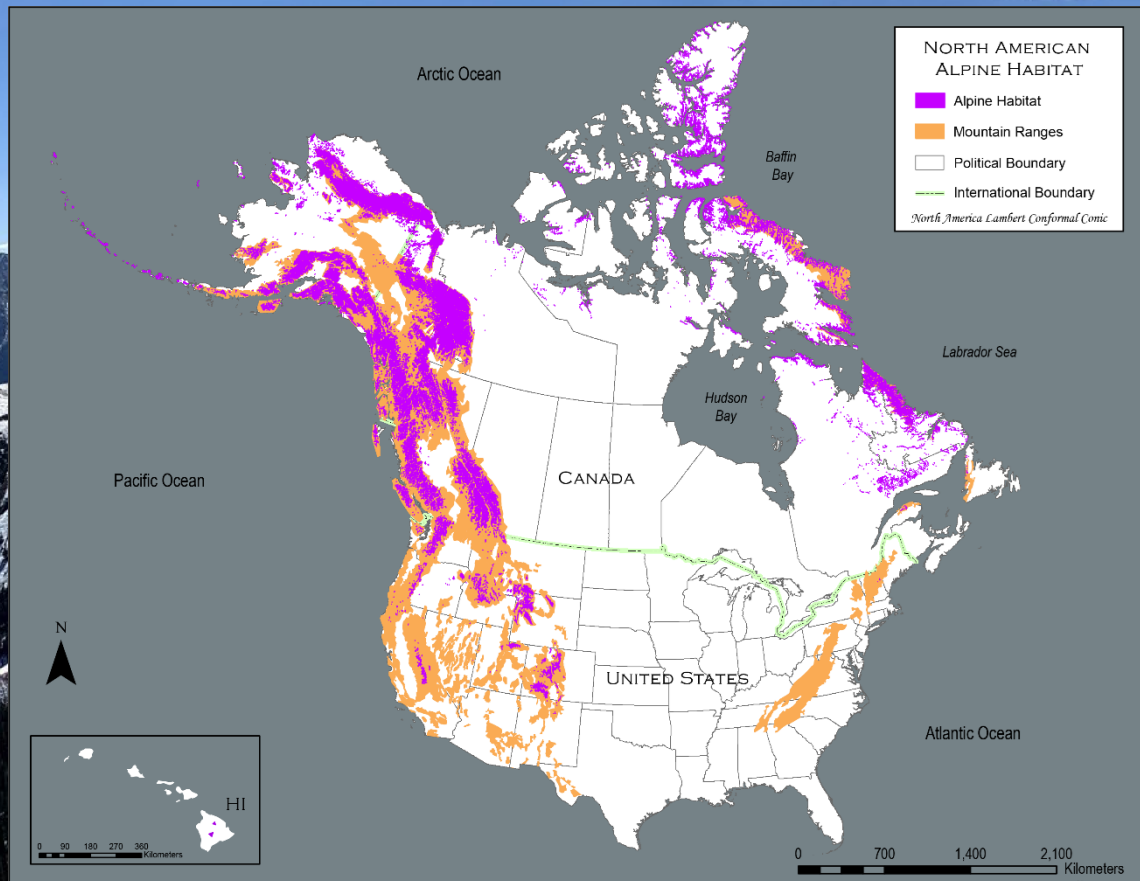
TARGET 10. Incorporate the irreplaceable value of the North American alpine ecosystem and plant diversity into educational and public awareness programs at botanic gardens by 2025.

OBJECTIVE 4 Build capacity for the conservation of alpine plant species and associated habitats.

TARGET 11. Increase the number of trained professionals working on North American alpine plant conservation to address local, regional and national needs by 2030.

TARGET 12. Establish and strengthen networks, partnerships, associations and stakeholders for alpine conservation activities at regional, national and international levels by 2030.

Target 1: Develop a working map of all North American alpine areas

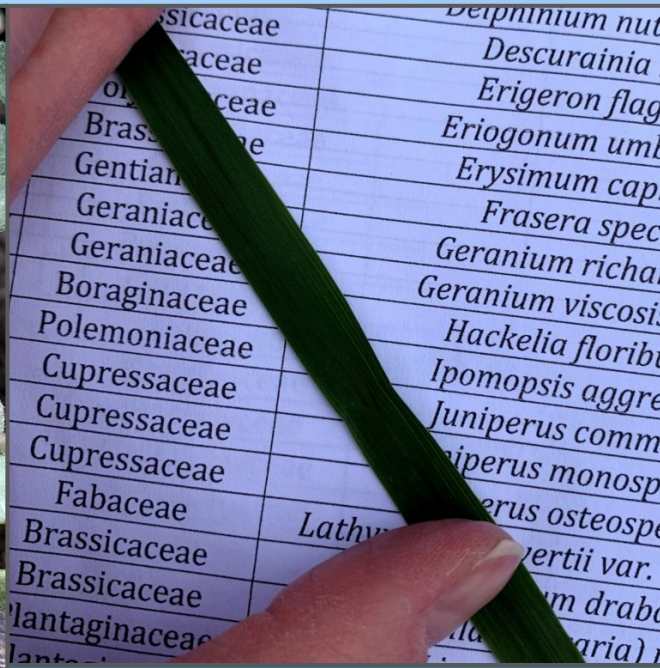


OBJECTIVE 1

Target 2: Create a list of all known alpine plants of North America that highlights those with a conservation rank of G1-G3



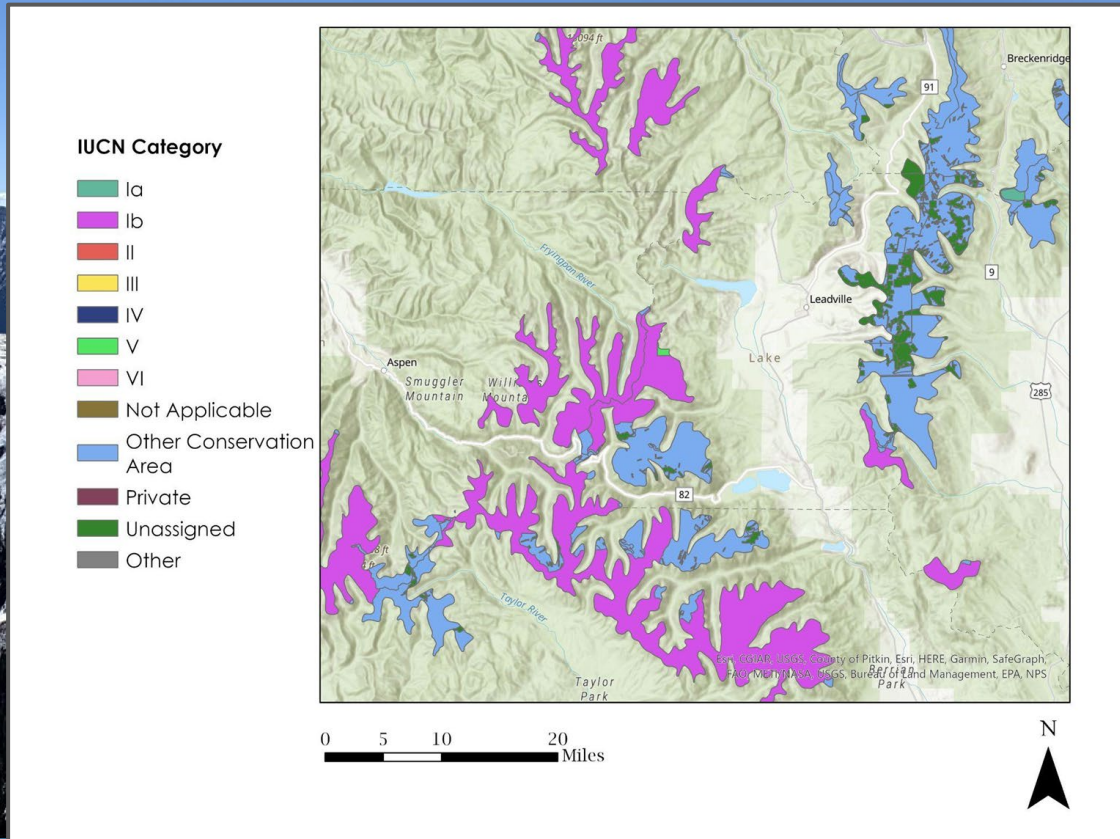
Alpine Larkspur
(*Delphinium alpestre*), G2



Harbour's Beardtongue
(*Penstemon harbourii*), G3

OBJECTIVE 1

Target 3: Assess land management designations for all North American alpine habitats



OBJECTIVE 1

Target 4: Provide online access to floristic inventories and research on North American alpine plants



OBJECTIVE 1

Target 7: Conserve 60% of
Threatened Alpine Plant Species in
North America *in-situ*



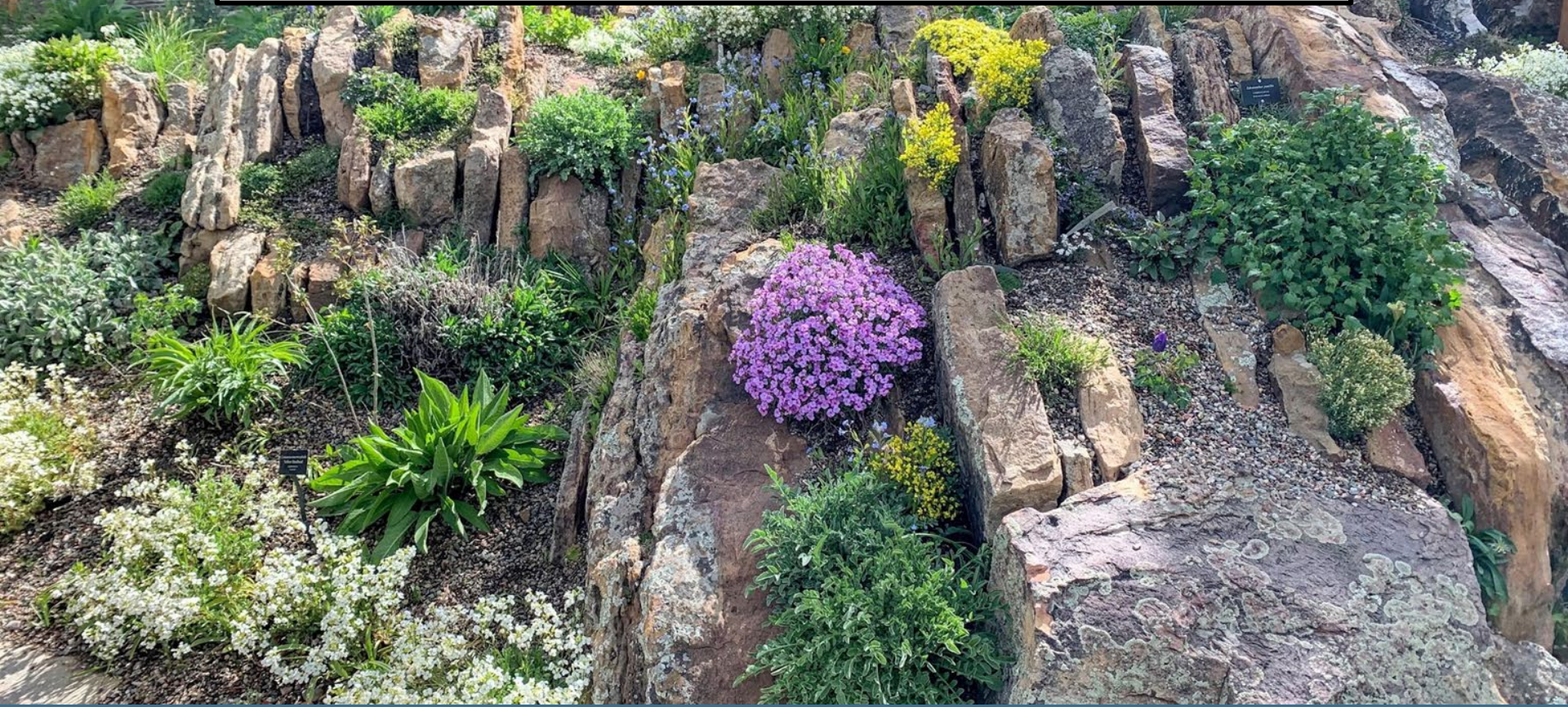
OBJECTIVE 2

Target 8: Conserve 60% of All Identified Alpine Plant Species in North America *ex-situ*



OBJECTIVE 2

Target 8: Conserve 60% of All
Identified Alpine Plant Species in
North America *ex-situ*



OBJECTIVE 2

Target 9: Ensure that at least 75% of All Identified Threatened Alpine Plant Species in North America are held in *ex-situ* collections



Weber's Saw-Wort
(*Saussurea weberi*), G3



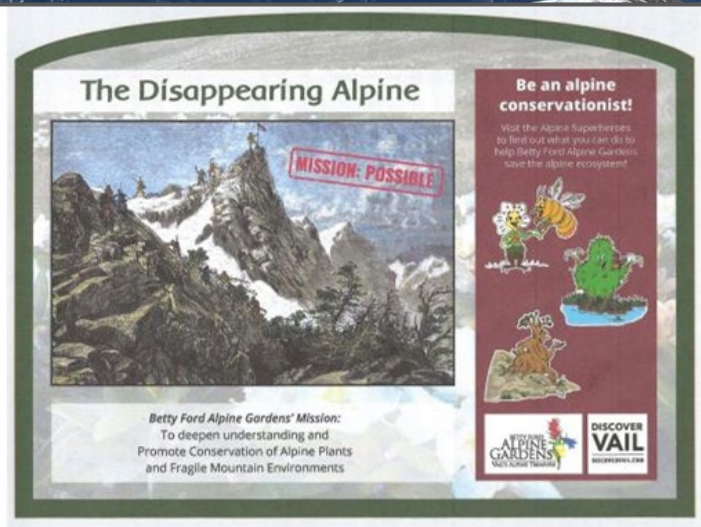
Hoosier Pass Ipomopsis
(*Ipomopsis globularis*), G2



Alpine Bladderpod
(*Physaria alpina*), G2

OBJECTIVE 2

Target 10: Incorporate the irreplaceable value of the North American alpine ecosystem and plant diversity into educational and public awareness programs at botanic gardens



OBJECTIVE 3

Target 12: Establish and strengthen networks, partnerships, associations, and stakeholders for alpine conservation activities at regional, national and international levels



OBJECTIVE 4



Join the Alpine Strategy Network!

- Have you seed banked any North American alpine species?
- Does your research focus on North American alpine species or habitats?

OBJECTIVE 4

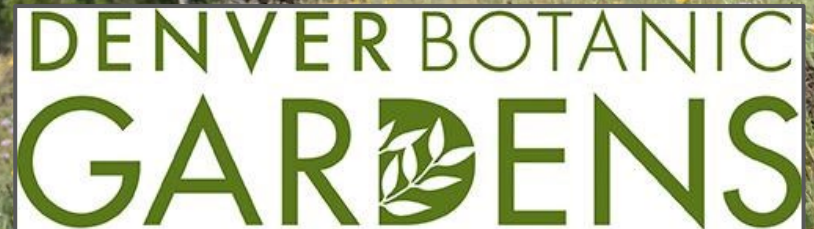


- Betty Ford Alpine Gardens

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- Nanette Kuich
- Nick Courtens
- Colin Lee
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- Jennifer Ramp Neale
- Alexandra Seglias
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Questions? Interested in getting involved?
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Alpine Strategy
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