



Conioselinum chinense

The Vascular Flora of the Catskills

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What we have achieved:

- Field Trips: 469 - field notes, photographs and reports digitally archived
- Herbarium: > 3000 voucher specimens
- Digital database: geo-referenced specimens and observations
- Digital database: Karl Brooks geo-referenced collecting stations
- Digital Herbarium: Karl Brooks' Catskill Region voucher specimens
- Graduate Student Research:
 - Genetic studies of northern monkshood
 - Germination studies of Three Birds Orchid



Catskill Ecosystem Health

Proceedings of a Symposium

Catskill Institute for the Environment
October 1999

Morton S. Adams, Editor

Publications:

1. *Common Vascular Plants of the Catskill Mountain Region.*
www.catskillinstitute.org
2. *Preliminary Checklist of the Vascular Flora of the Catskills.* www.ohns.org
3. *Status of the Northern Monkshood in the Catskill Mountains 2007.* Report to the U.S. Fish & Wildlife Service.
4. *Captive Propagation of the Northern Monkshood.* Permit request U.S. Fish & Wildlife Service.

Going Forward:

Monitoring Priorities:

- “Iconic” Catskill Plant Populations which are Relics of the Glacial Recession:
 1. Northern Monkshood [**Fed. Endangered List**]
 2. *Adoxa moschatellina*



Aconitum noveboracense



Monitoring Priorities:

Remnants of the Alpine Arctic Flora

1. *Sedum rosea*
2. *Potentilla tridentata*
3. *Solidago macrophylla*
4. *Arctostaphylos uva-ursi*
5. *Amelanchier bratramiana*
6. *Linnaea borealis*



Monitoring Priorities: Elements of the Southern Flora

1. *Rhododendron maximum*
2. *Scutellaria integrifolia*
3. *Lobelia cardinalis*
4. *Amelanchier arborea*
5. *Alnus serrulata*
6. *Woodwardia virginica*



Monitoring Priorities: Catskill Red List




Triphora trianthophora

Monitoring Priorities:

Species with locally adapted varieties
or subspecies



Monitoring Priorities: Subsample [10% or 20%] of Native Catskill Species

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- Including common and widespread species.
 - Detailed survey of range, habitat and abundance every five years

Monitoring Priorities: Unique Habitats

Sedum rosea

- High elevation sphagnum wetlands
- Refrigerated talus slopes
- Moist cliff faces
- Mountain tops
- Hemlock ravines
- First growth forests

Monitoring Priorities: Changes in floral assemblages



Hupersia appressa

- Added species
- Lost species
- Changes in abundance
- Changes in range or habitat