

POSCIP STATUS CHANGE PROPOSAL FORM

(use TAB to move between fields)

SPECIES: *Desmodium glabellum* (Michx.) DC

SYNONYM:

PRESENT STATUS: **TU** PROPOSED STATUS: **PE**

TOTAL LOCATIONS, HISTORIC AND EXTANT:
(total number of documented occurrences in PA)

EXTANT LOCATIONS: **1**
(number of occurrences thought to be currently extant)

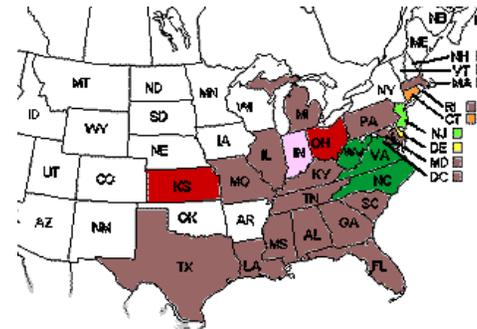
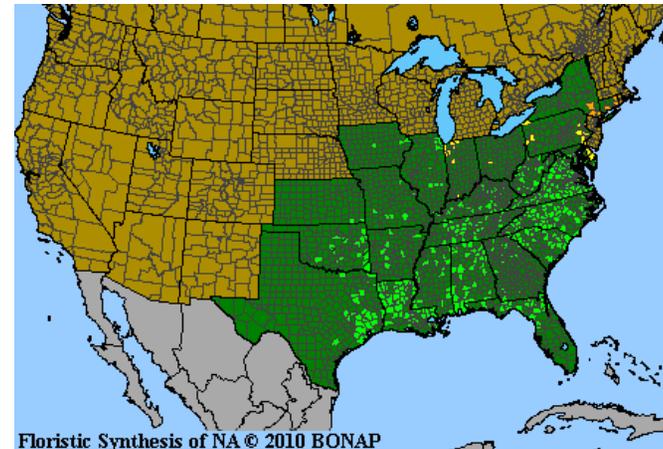
ESTIMATED TOTAL EXTANT PLANTS IN PA: **25-50**

HABITAT: **Dry open hillsides, slopes, utility cuts, mixed graminoids and forbs, usually with other species of Desmodium, a habitat threatened by succession, development, overenthuastic maintenance, and alien invasives.**

RANGE: **Primarily southern, but as far north as Michigan, New York, and Connecticut. DE Status - S1 (not listed in other states, possibly due to taxonomic confusion)**

JUSTIFICATION: **Only seen once in the field in PA In 25 years (2006, pipeline cut, Chester County, site possibly destroyed due to additional line emplacement). NOTE: Difficult to distinguish from its common relative D. perplexum (uncinate vs straight hairs).**

SUBMITTED BY: **Jack Holt and Janet Ebert**



POSCIP STATUS CHANGE PROPOSAL FORM

(use TAB to move between fields)

SPECIES: *Desmodium laevigatum* (Nutt.) DC

SYNONYM:

PRESENT STATUS: **N** PROPOSED STATUS: **PE**

TOTAL LOCATIONS, HISTORIC AND EXTANT:
(total number of documented occurrences in PA)

EXTANT LOCATIONS: **?**
(number of occurrences thought to be currently extant)

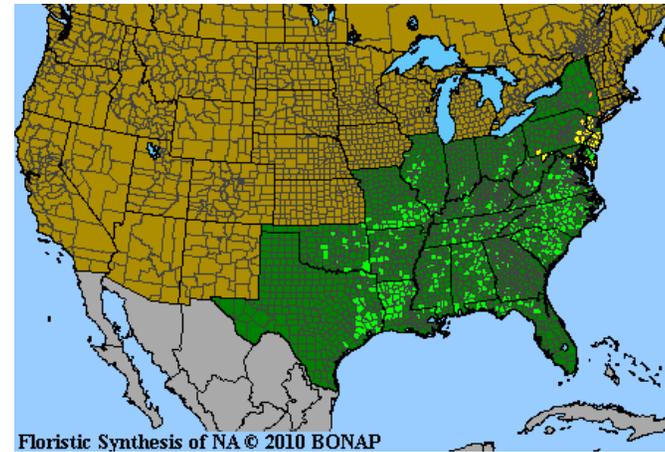
ESTIMATED TOTAL EXTANT PLANTS IN PA: **Unknown**

HABITAT: **Dry open hillsides, slopes, utility cuts, mixed graminoids and forbs, usually with other species of Desmodium, a habitat threatened by succession, development, overenthuastic maintenance, and alien invasives.**

RANGE: **Primarily southern, but as far north as Illinois, Indiana, Pennsylvania, New York. Listed in DE (S3), MD (S3/S4), NJ (S3), NY (SH)**

JUSTIFICATION: **Last seen in the field by the proposers in 2006 at a site since destroyed by expansion of an airfield runway. Unlike most other Desmodiums quite distinctive and showy, especially in flower, unlikely to be missed. Only seen 4-5 times in last 25 years.**

SUBMITTED BY: **Jack Holt and Janet Ebert**



POSCIP STATUS CHANGE PROPOSAL FORM

(use TAB to move between fields)

SPECIES: *Desmodium nuttallii* (Schindl.) B.G. Schub.

SYNONYM:

PRESENT STATUS: **TU** PROPOSED STATUS: **PE**

TOTAL LOCATIONS, HISTORIC AND EXTANT:
(total number of documented occurrences in PA)

EXTANT LOCATIONS: **6**
(number of occurrences thought to be currently extant)

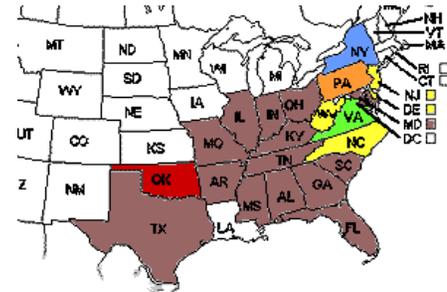
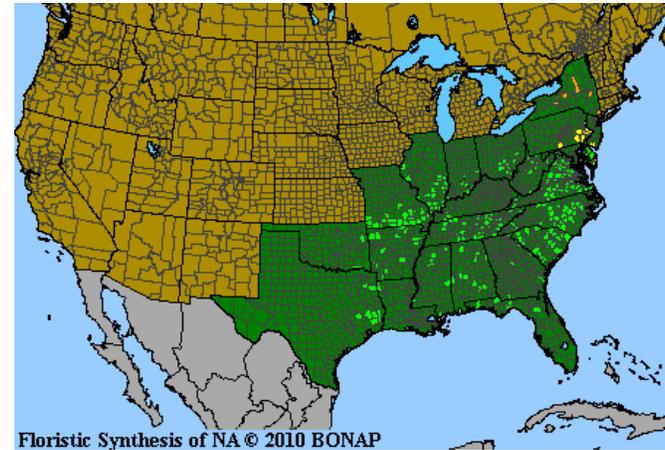
ESTIMATED TOTAL EXTANT PLANTS IN PA: **500-1000**

HABITAT: **Dry open hillsides, slopes, utility cuts, mixed graminoids and forbs, usually with other species of Desmodium, a habitat threatened by succession, development, overenthuastic maintenance, and alien invasives.**

RANGE: **Primarily southern, but as far north as New York, Connecticut, and Michigan. Listed in DE (S3), MD (SU), NJ (S3), NY (SH)**

JUSTIFICATION: **The most common of the 'rare' tick-trefoils, observed five times in last five years, one site had 100+ large and healthy plants. However most populations are small and in decline.**

SUBMITTED BY: **Jack Holt and Janet Ebert**



POSCIP STATUS CHANGE PROPOSAL FORM

(use TAB to move between fields)

SPECIES: *Desmodium obtusum* (Muhl ex Willd.) DC

SYNONYM: *Desmodium rigidum* (Elliott) DC

PRESENT STATUS: **N** PROPOSED STATUS: **PE**

TOTAL LOCATIONS, HISTORIC AND EXTANT:
(total number of documented occurrences in PA)

EXTANT LOCATIONS: **?**
(number of occurrences thought to be currently extant)

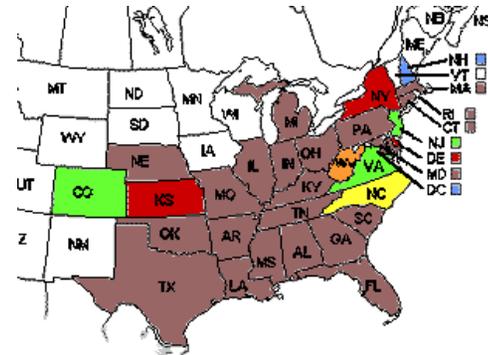
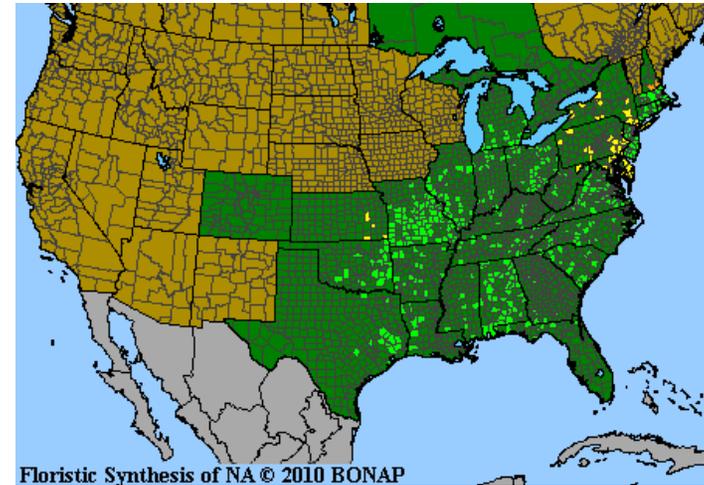
ESTIMATED TOTAL EXTANT PLANTS IN PA: **?**

HABITAT: **Dry open hillsides, slopes, utility cuts, mixed graminoids and forbs, usually with other species of Desmodium, a habitat threatened by succession, development, overenthuastic maintenance, and alien invasives.**

RANGE: **Primarily southern, but as far north as Michigan, New York, and Vermont. Listed in DE (S1), MD (S1), NY (S1)**

JUSTIFICATION: **Only seen twice in the field in 25 years (Goat Hill, above the Octorara, western Delaware County). No known extant populations. Can be difficult to distinguish from *D. ciliare* and small-leaved plants of *D. perplexum* and *D. nuttallii***

SUBMITTED BY: **Jack Holt and Janet Ebert**



POSCIP STATUS CHANGE PROPOSAL FORM

(use TAB to move between fields)

SPECIES: *Desmodium viridiflorum* (L.) DC

SYNONYM:

PRESENT STATUS: **N** PROPOSED STATUS: **PE**

TOTAL LOCATIONS, HISTORIC AND EXTANT:
(total number of documented occurrences in PA)

EXTANT LOCATIONS: **1 ?**
(number of occurrences thought to be currently extant)

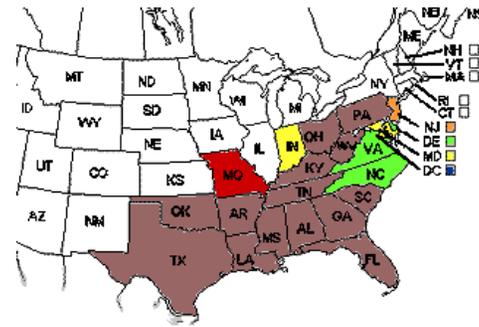
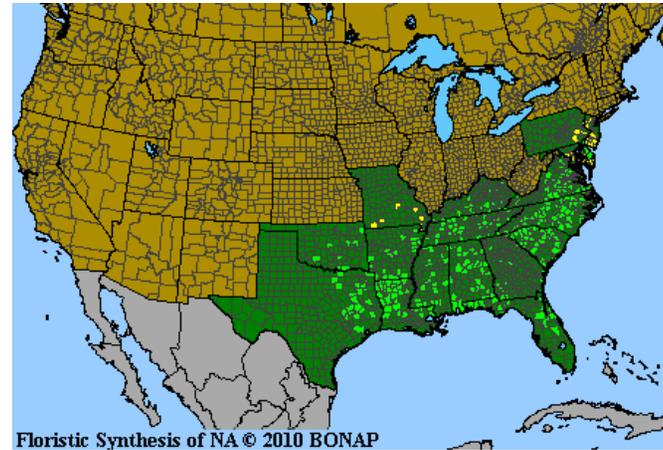
ESTIMATED TOTAL EXTANT PLANTS IN PA: **25-50**

HABITAT: **Dry open hillsides, slopes, utility cuts, railroad banks, mixed graminoids and forbs, usually with other species of *Desmodium*, a habitat threatened by succession, overenthuastic maintenance, development, and alien invasives.**

RANGE: **Primarily southern, north to Indiana, Ohio, Pennsylvania. Listed in MD (S3/S4), NJ (S2). Possibly not present in DE.**

JUSTIFICATION: **Only seen once in the field in PA In 25 years (1980's, southern Berks County, along an abandoned railroad. Difficult to distinguish from close relative *D. nuttallii***

SUBMITTED BY: **Jack Holt and Janet Ebert**



Lemna obscura (Austin) Daubs

Current Status

PX

Proposed Status (click for definitions) UXHFTN or W

Proposed by: Steve Grund

WPC/PNPH

Habitat Mesotrophic to eutrophic, quiet waters, in temperate to subtropical regions with mild winters (Landolt in FNA)

Estimated number of extant occurrences () – ()

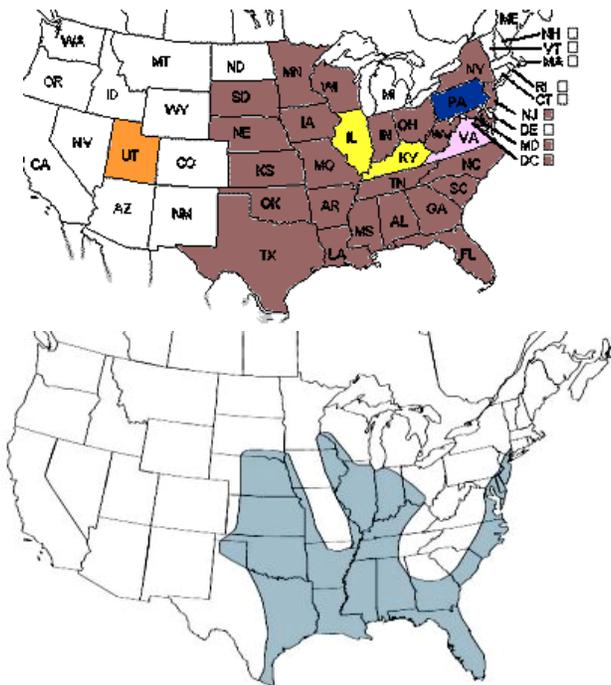
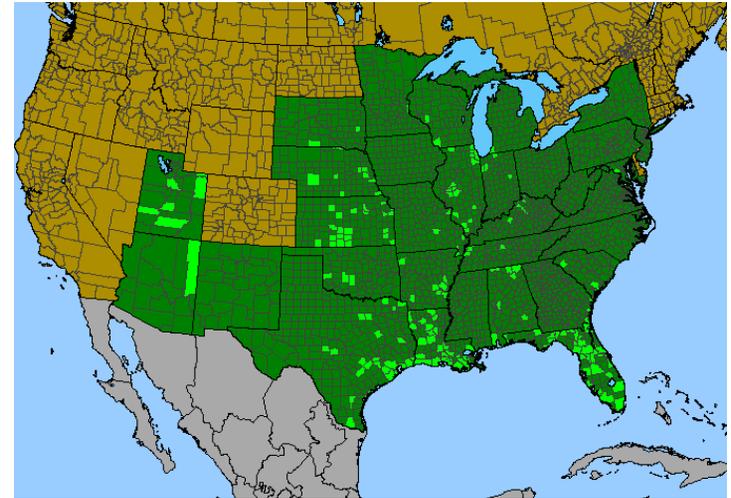
Estimated number of extant individuals () – () Genets

Collected twice, perhaps at the same site, 1907 and 1927. The "Neck" below Philadelphia, and Pennypack Park. Identification of both specimens was verified by Landolt.

This species has a strange distribution as mapped, no doubt at least in part due to failure to recognize the species, both in terms of taxonomy and identification. The FNA map suggests a coastal plain--up the Mississippi pattern. I assume that the states on the Kartesz map that show "present in state" but with no county records are based on Landolt in FNA. Note that this species was not recognized in Wherry et al, and thus Kartesz missed the *Lemna obscura* record from Philadelphia County.

Coe Finch Austin did a great job choosing an epithet...

[images from Waynesword](#)



***Lemna perpusilla* Torrey,
L. turionifera Landolt, and
L. valdiviana Philippi**

Current Status

TU, TU, PX

Proposed Status (click for definitions)

W

Proposed by: Steve Grund

WPC/PNHP

Habitat

Mesotrophic to eutrophic, quiet waters in temperate regions with relatively mild winters (Landolt in FNA)

Estimated number of extant occurrences

() – ()

Estimated number of extant individuals

() – () Genets

Factors that decrease conservation concern

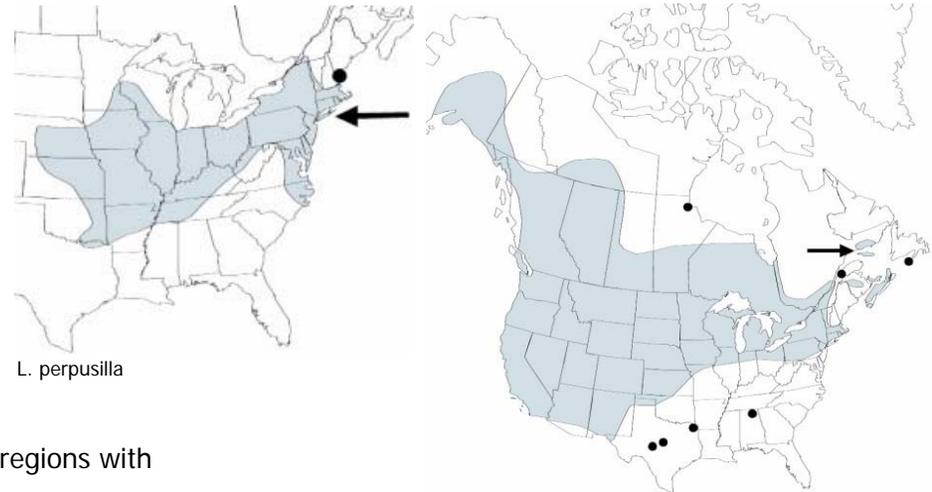
Likes eutrophication

Very likely undercollected due to similarity with *L. minor*

[L. valdiviana images](#)

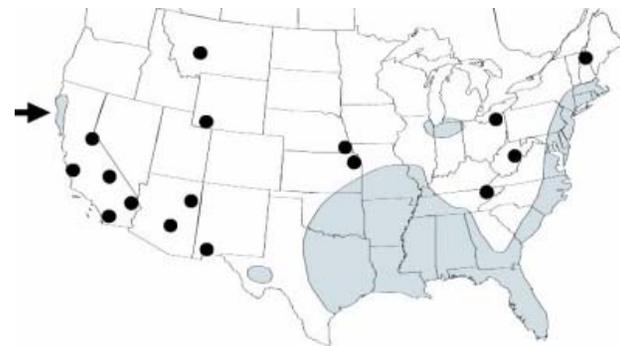
[L. turionifera images](#)

[L. perpusilla images](#)



L. perpusilla

L. turionifera



L. valdiviana

Sisyrinchium montanum Greene

Current Status N (special problems)

Proposed Status (click for definitions) TU

Proposed by: Steve Grund

WPC/PNHP

Habitat Stream banks, woods and old fields (Rhoads and Klein); Moist meadows, stream banks, open woods (FNA for var. *montanum*); Moist, rocky crevices, moist meadows especially near coast and along Saint Lawrence Seaway (FNA for var. *crebrum*).



Estimated number of extant occurrences () – ()

There are 33 dots in Rhoads and Klein

Estimated number of extant individuals () – () Genets

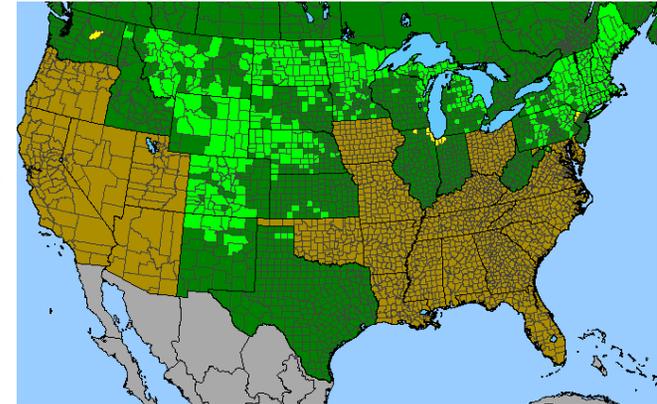
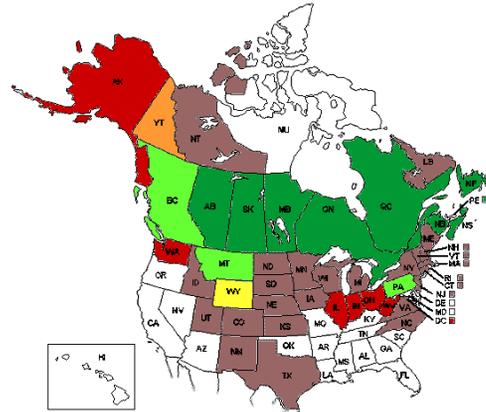
Factors that increase conservation concern

*Sisyrinchium*s typically occur in small populations.

Factors that decrease conservation concern

Distinguishing between varieties, and between this species and *S. mucronatum*, may be difficult. Small populations may easily escape detection.

It is not clear which variety we have in Pennsylvania, and it may turn out that we have both var. *crebrum* and var. *montanum*. Both varieties have G-ranks of G5T4T5.



Triadenum walteri (J.G. Gmel.) Gleason

Current Status N

Proposed Status (click for definitions) PE

Proposed by: Jim Bissell

Cleveland Museum of Natural History (CLM)

Habitat Swamp forests and marshes (Weakley's Flora)

Estimated number of extant occurrences () – ()

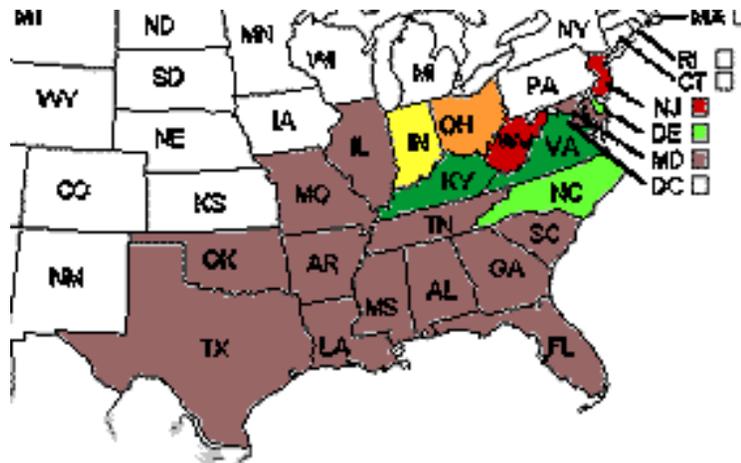
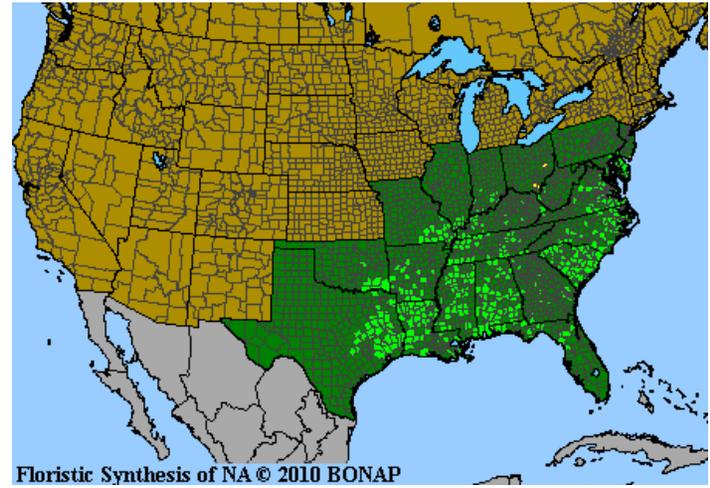
Estimated number of extant individuals () – () Genets

New record for Pennsylvania, appears to be a reasonable range extension and is likely native.

Factors that increase conservation concern

[photo.](#)
[VA](#)

Factors that decrease conservation concern



Vitis ×novae-angliae

Current Status

Proposed Status (click for definitions)

Proposed by: Steve Grund

WPC/Pennsylvania Natural Heritage Program

Habitat

Estimated number of extant occurrences () – ()

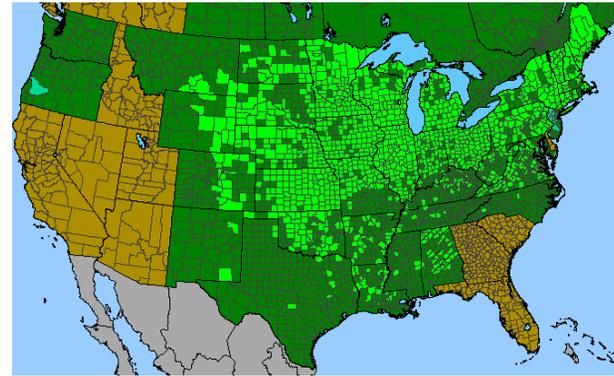
Estimated number of extant individuals () – () Genets

Factors that increase conservation concern

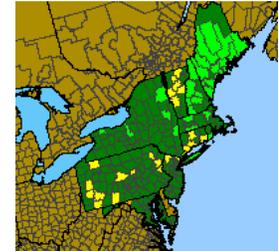
Factors that decrease conservation concern

Moore (1991. Classification and systematics of eastern North American *Vitis* north of Mexico. Sida 14:339-367) considers this to be synonymous with *Vitis labrusca* × *riparia*

V. riparia



V. ×novae-angliae



V. labrusca

