chicago botanic garden
NEGAUNEE INSTITUTE

Plants of Concern

LEAD MONITOR'S NAME: _____ **MONITORING DATE:** _____

Use one form for each subpopulation. Subpops are separated by at least 50 m. Monitor within ten days of previous year's monitoring date.
Complete every blank field. For the GPS, Associates, or Directions sections, you may write "same as last report" if there are no changes.
Review protocol at plantsofconcern.org.

SECTION 1: GENERAL SPECIES AND SITE INFORMATION

GENUS: _____ **COUNTY:** _____

SPECIES: _____ **LAND OWNER:** _____

VARIETY: _____ **MANAGER:** _____

SITE NAME: _____ **PLANTS IN SUBPOP FOUND?** ☐ Yes ☐ No
If plants are not found, enter data in sections 4-7 regarding area searched

SUBPOP#: _____

SOIL CONDITION: ☐ Flooded ☐ Saturated ☐ Moist, well-drained ☐ Dry

SECTION 2: GPS INFORMATION AND SUBPOP DIMENSIONS

Coordinates are required for new POC subpopulations, annual species, and for existing subpopulations at least every 2-3 years.

ARE GPS DATA NEW THIS YEAR?
☐ Yes
☐ No (but GPS is same as before)
☐ I have no GPS data

COORDINATE SYSTEM
☒ Decimal degrees (e.g. dd.dddd N)

DATUM
☐ WGS 84 – preferred Datum
☐ NAD-27
☐ NAD-83

	LATITUDE		LONGITUDE		ACCURACY
CENTER		°N		°W	**m**
NORTH		°N		°W	**m**
SOUTH		°N		°W	**m**
EAST		°N		°W	**m**
WEST		°N		°W	**m**

Enter N, S, E, W coordinates only if dimensions exceed 13 meters.

DISTANCE COVERED BY SUBPOP

E-W: _____ **meters**

N-S: _____ **meters**

Measure at widest part of subpopulation

SECTION 3: SUBPOPULATION INFORMATION

GROWTH FORM:
☐ Stems
☐ Clumps
☐ Rosettes
☐ Other: _____

COUNT METHOD:
☐ Direct Count
☐ Transect Estimate
☐ Range Estimate

Vegetative Count _____

Reproductive Count _____

Total Count _____

REPRODUCTION:
☐ Flower
☐ Fruit / Spore
☐ Flower & Fruit
☐ Vegetative (0% reproductive)

RANGE ESTIMATE:
☐ < or = 100
☐ 101-200
☐ 201-400
☐ 401-800
☐ > 800
☐ Common in appropriate habitat

Annual Species have 100% reproduction

% REPRODUCTIVE: _____
(# reproductive ÷ # total) x 100

Species: _____ Site: _____ Subpop: _____

SECTION 4: DOMINANT NATIVE SPECIES

Trees (including saplings)

1 _____
2 _____
3 _____

Shrubs and/or Vines

1 _____
2 _____
3 _____

Herbaceous Plants

1 _____
2 _____
3 _____
4 _____
5 _____
6 _____
7 _____
8 _____

SECTION 5: INVASIVE PLANT SPECIES (Exotic invasives and/or aggressive natives)

ENCROACHMENT BY SPECIES: List all invasive species and indicate their impact. If confirming the absence of an invader, select 'None'. See POC Manual for details.

	None	1-20%	21-40%	41-60%	61-80%	81-100%
1	☐	☐	☐	☐	☐	☐
2	☐	☐	☐	☐	☐	☐
3	☐	☐	☐	☐	☐	☐
4	☐	☐	☐	☐	☐	☐
5	☐	☐	☐	☐	☐	☐
6	☐	☐	☐	☐	☐	☐
7	☐	☐	☐	☐	☐	☐

INVASIVE WOODY ENCROACHMENT: Indicate percent of subpop impacted by woody species listed above by height class

	None	1-25%	26-50%	51-75%	76-100%
Less than (<) 1 meter tall:	☐	☐	☐	☐	☐
Greater than (>) 1 m tall:	☐	☐	☐	☐	☐

Are there invasive species outside the subpopulation (15 meters beyond) not found within? ☐ Yes ☐ No

If yes, which invasives species? _____

SECTION 6: IMPACTS ON THE SUBPOPULATION

INDICATE THE DEGREE OF IMPACT: Report immediate threats to the landowner and/or Plants of Concern.

	None	1-25%	26-50%	51-75%	76-100%
Deer browse on monitored species:	☐	☐	☐	☐	☐
Erosion:	☐	☐	☐	☐	☐
Authorized trails:	☐	☐	☐	☐	☐
Unauthorized trails:	☐	☐	☐	☐	☐
Other:	☐	☐	☐	☐	☐
Other:	☐	☐	☐	☐	☐

IMPACT NOTES

Species: _____ Site: _____ Subpop: _____

SECTION 7: MANAGEMENT WITHIN SUBPOPULATION WITHIN LAST YEAR

WOODY INVASIVE REMOVAL:

☐ Yes ☐ No ☐ Don't know	**EVIDENCE:** ☐ Freshly cut stumps ☐ Recent brush piles ☐ Steward/manager's word ☐ Other:	**SPECIES REMOVED**: 1._____ 2._____ 3._____

HERBACEOUS INVASIVE REMOVAL:

☐ Yes ☐ No ☐ Don't know	**EVIDENCE:** ☐ Piles of pulled plants ☐ Brown/dying plants ☐ Steward/manager's word ☐ Other:	**SPECIES REMOVED**: 1._____ 2._____ 3._____

BURNING:

☐ Yes ☐ No ☐ Don't know	**EVIDENCE:** ☐ Ash ☐ No leaf litter/duff ☐ Steward/manager's word ☐ Other:

SECTION 8: DIRECTIONS TO SUBPOPULATION AND NOTES

DIRECTIONS - Provide detailed notes for changes to previous directions or detailed directions to new subpopulations.

NOTES

Monitor Names	Roles*	Hours

Monitor Names	Roles*	Hours

*ROLES: Volunteer (V), steward (SD), staff (SF) or intern (I). For new volunteers, provide confidentiality form and contact info.

Within three weeks of monitoring, submit data online and upload a scanned copy of your field report at plantsofconcern.org