

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

GENERAL INFORMATION

Project Label: **PCAP**

Project Name: **02562015**

Plot Name: **Casting hill plot**

Plot No.: **1027**

Level 4 (no nested corners sampled)

Level 5 (nested corners sampled)

Date (mm/dd/yyyy): **9/18/2015**

Find date (if > 1 day):

Party: **C. Minney** Role: **Plot leader**

D. Sweet

M. Gettley

TAXONOMIC STANDARD

Authority: **G&C** Pub Date: **1998**

LOCATION

State: **OH** County: **Cuyahoga**

Quadrangle: **Chagrin Falls**

Local Place Names:

Landowner: **CMF**

X-axis Bearing of plot: [] °

Data Confidentiality:

Check one: ☐ Public data ☐ Private Data

Reason: ☐ Fuzz 100m ☐ Fuzz 250m ☐ Fuzz 500m

If data not public why?

Source of coordinates: ☐ MAP ☐ GPS

GPS location in plot x=0 to 5, y=1,0,+1):

x = y = (base of plot x=0, y=0)

Coordinate system: ☐ Lat/Long ☐ UTM ☐ StatePlane ☐ Coord. Units

Datum: ☐ NAD83/WGS84 ☐ NAD27

Latitude:

Longitude:

Coord. Accuracy: ☐ m ☐ ft

GPS File Name:

Plot size for cover data: **1** (hectares)

Stems not sampled on this plot: ☐ Stems absent

Stems present: ☐ Plot size stems: (ha)

Depth: (1-5):

Intensive modules: 2, 3, 8, 9

Camera No.: **4**

Photo Nos.: **64-985-988**

Diagram

Plot placement: ☐ Representative ☐ GRTS ☐ Random ☐ Stratified Random

Plot origin (0,0) point: ☐ GPS location point

Photo taken with direction: ☐ location of permanent posts

NOTES: include Layout (any unusual shape details), Location (directions and landscape context), Rationale (why here), and Veg Characterization (description of community, dominants, strata, BROWSE). Additional notes in space on back.

Plot is unchanged from 2010

Plot is on a gently sloping grassland roadside, some is mowed regularly, some is old field with white pine in shrub layer

OVER

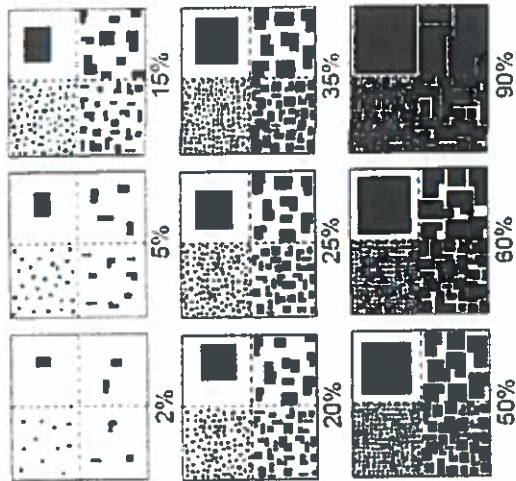
| CLASSIFICATION | | STAND SIZE | | DISTURBANCES | |
|--|--|--|--|--|--|
| (FIT = excellent, good, fair, poor; CONF = high, med, low) | | | | | |
| Hydrogeomorphic class (WETLANDS ONLY): | | | | | |
| <input type="checkbox"/> DEPRESSION <input type="checkbox"/> IMPOUNDMENT <input type="checkbox"/> Beaver <input type="checkbox"/> Human <input type="checkbox"/> RIVERINE <input type="checkbox"/> Headwater <input type="checkbox"/> Mainstem <input type="checkbox"/> Channel <input type="checkbox"/> SLOPE (ground water hydrology or on a physical slope) <input type="checkbox"/> FRINGING <input type="checkbox"/> Reservoir <input type="checkbox"/> Natural Lake <input type="checkbox"/> COASTAL (specify subclass) <input type="checkbox"/> BOG (strongly, moderately, weakly ombrotrophic) | | Fit=___ Conf=___ Fit=___ Conf=___ Fit=___ Conf=___ Fit=___ Conf=___ Fit=___ Conf=___ Fit=___ Conf=___ | | type* severity** yrs ago % of plot description Human VH 0 100 Mowed Field Natural Fire Cut Animal Other | |
| Ohio EPA VIBI Plant Community Class (WETLANDS ONLY): | | | | | |
| <input type="checkbox"/> FOREST <input type="checkbox"/> swamp forest <input type="checkbox"/> bog forest <input type="checkbox"/> forest seep <input type="checkbox"/> EMERGENT <input type="checkbox"/> marsh <input type="checkbox"/> wet meadow <input type="checkbox"/> open bog <input type="checkbox"/> SHRUB <input type="checkbox"/> shrub swamp <input type="checkbox"/> tall sh. bog <input type="checkbox"/> tall sh. fen | | Fit=___ Conf=___ Fit=___ Conf=___ Fit=___ Conf=___ | | Current Land Use: Former Land Use: HYDROLOGIC REGIME* <input checked="" type="checkbox"/> Upland (seldom flooded) <input type="checkbox"/> Intermittently/seasonally saturated <input type="checkbox"/> Intermittently flooded <input type="checkbox"/> Seldom flooded <input type="checkbox"/> Permanently flooded <input type="checkbox"/> Permanently/Semipermanent, saturated <input type="checkbox"/> Tidal/Schiche flooded daily <input type="checkbox"/> Tidal/Schiche flooded monthly <input type="checkbox"/> Tidal/Schiche flooded irregular <input type="checkbox"/> Temporarily flooded (e.g. wind, storms) <input type="checkbox"/> Unknown | |
| MODIFIED NATURESERVE CLASS* | | | | | |
| CODE (on separate form): X67 COMMUNITY NAME: Disturbed Communities - grass LANDFORM TYPE*: Gentle Slope | | SALINITY* <input type="checkbox"/> Saltwater <input type="checkbox"/> Brackish <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Upland (n/a) | | | |

Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)

HOMOGENEITY

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements in cover survey. Amount in "Quantity" NOTE: Within any given box, each quadrant contains the same total area covered, just different sized objects.



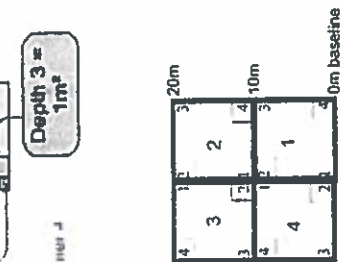
| cover class | % cover | midpoint |
|-------------|-----------------|----------|
| 1 | solitary or few | 0.0001 |
| 2 | 0-1% | 0.005 |
| 3 | 1-2% | 0.015 |
| 4 | 2-5% | 0.035 |
| 5 | 5-10% | 0.075 |
| 6 | 10-25% | 0.175 |
| 7 | 25-50% | 0.375 |
| 8 | 50-75% | 0.625 |
| 9 | 75-95% | 0.850 |
| 10 | 95-100% | 0.975 |

Nested Corners



Depth 1 = 100m²

Depth 5 = 0.01m²



BROWSE RATING NARRATIVE DESCRIPTION

LOW OR NONE: there is no measurable browse line AND there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed.

MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be reproducing in numbers that appear normal or near-normal in comparison to low browse areas. For example, trilliums may flower and fruit, but jewelweed and arrowwood viburnum exhibit browse.

MEDIUM: browse affects greater than 10 percent and less than 25 percent of stems in the 1 m2 nested quadrat and intensive module. A browse line is usually not evident or obvious for all classes and species of vegetation, but careful examination may show preferential browse and/or browse lines for some species of plants.

MEDIUM HIGH values include evidence of a browse line and 25 percent of stems browsed with very little vegetation regeneration evident. In this rating, for some species of plants, reproduction does not appear to occur or it is very severely limited.

HIGH: greater than 25 percent of the stems of plants in the 1 m2 nested quadrat and intensive module AND a browse line is evident.

VERY HIGH values include extensive browse conditions, where the browse line is very evident AND almost all seedlings and herbs are severely browsed or missing. Browse line may be 5 to 6 feet in height with no or little green growth beneath.

