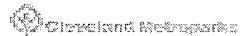


CLEVELAND METROPARKS Plant Community Assessment Program: Quality Control Form



Project Label:

PCAP

Plot No: 1179

Date Sampled: 7/27/11

Lead: Sarah

Comment required if item answer is NO

| | | |
|--|--|--|
| Parking/Access outside of Park Boundaries: | <input checked="" type="radio"/> Y <input type="radio"/> N | If yes, write details in Comments section below |
| Field journals completed | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Site sketch made on 1:3000 map? | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Check cover page | X-axis Bearing of plot recorded | <input checked="" type="radio"/> Y <input type="radio"/> N |
| | GPS coords. Recorded | <input checked="" type="radio"/> Y <input type="radio"/> N |
| | North direction recorded | <input checked="" type="radio"/> Y <input type="radio"/> N |
| | Photographs taken? | <input checked="" type="radio"/> Y <input type="radio"/> N |
| Plot No., Date agreement on all pages? | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Header data completed all pages? | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Cover classes recorded in all intensive modules | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Browse Level By Species | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Woody stem quality control check | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Invasive plant quality control check | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Ash trees mapped | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Cover by Strata? (confirm cover type) | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Soil samples collected with matching plot # | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Vouchers labeled on datasheet with initials and number | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Vouchers labeled on collection bag | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Pink flags removed | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Data sheet QA before leaving site? | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Common equipment returned to tub. | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Data sheets scanned? | <input checked="" type="radio"/> Y <input type="radio"/> N | 7/24/11 Enter date to left |
| Final data sheets scanned? | <input checked="" type="radio"/> Y <input type="radio"/> N | Enter date to left |
| Buffer Widths measured? | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Web Soil Survey | <input checked="" type="radio"/> Y <input type="radio"/> N | |
| Voucher Location | Refrigerator | <input checked="" type="radio"/> Y <input type="radio"/> N |
| (# vouchers collected) | Press (#) | Enter number to left |
| | Drier | <input checked="" type="radio"/> Y <input type="radio"/> N |
| | Identified | <input checked="" type="radio"/> Y <input type="radio"/> N |
| | Mounted | <input checked="" type="radio"/> Y <input type="radio"/> N |
| | Thrown away | <input checked="" type="radio"/> Y <input type="radio"/> N |

GRTS point verification: Is plot sampleable?

| | |
|---|---|
| <input checked="" type="checkbox"/> Yes | Original GRTS point is sampleable |
| <input type="checkbox"/> No | Original GRTS point lands in a non-sampleable area (fill in category below) |
| | <input type="checkbox"/> Point falls in a water (i.e. river, lake) |
| | <input type="checkbox"/> Managed mowed area (i.e. golf course, picnic area, right-of-way) |
| | <input type="checkbox"/> Paved area (i.e. parking lot, road) |
| | <input type="checkbox"/> Unsafe to sample (i.e. steep slope) |
| | <input type="checkbox"/> Other |

Additional Comments:

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Page 1 of 2

GENERAL INFORMATION

Project Label: PCAP

Project Name: OJMS 301

Plot No.: 1179

Level 4 (no nested corners sampled)
 Level 5 (nested corners sampled)

Date (mm/dd/yyyy): 7/27/2011

End date (if > 1 day): / /

Party Role**

J. Fugenschuh Plot leader

Z. Easton Best Asst

C. Collier ~~Wetland Tools~~

M. Bracken ~~BSGFW~~

** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc.

PLOT NOT SAMPLED: Other
 Perm. water Paved Slope Safety

SAMPLING QUALITY*

Effort Level: Very thorough
 Accurate
 Hurried

subjective evaluation of how much effort put into sampling. Hurried plots may still provide good data

TAXONOMIC ACCURACY

| | | | |
|-------------------------------------|--------|-------------------------------------|----------|
| high | modera | low | not samp |
| <input checked="" type="checkbox"/> | | <input type="checkbox"/> | n/a |
| vascul. | | | |
| bryo | | | |
| lichen | | <input checked="" type="checkbox"/> | |

TAXONOMIC STANDARD

Authority: G&C Pub Date: 1998

LOCATION

State: OH County: Cuyahoga

Quadrangle: Berea Z38-15-11

Local Place Names: Handle Road

Landowner: CM

X-axis Bearing of plot: [106] °

Y-axis Bearing of plot: 210 °

Module:

plot

Reason:

If data not public why?

Source of coordinates MAP GPS

GPS location in plot x=0 to 5, y=-1, 0,+1;

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

Coordinate system: Coord. Units

Lat/Long UTM StatePlane

deg deg min

Other (specify) m ft —

Datum: NAD83/WGS84 NAD27

Latitude: 41.32454

Longitude: 81.81235

Coord. Accuracy: m ft +,-,±

GPS File Name: 1179A

Plot size for cover data: 0.04 (hectares)

Stems not sampled on this plot Stems absent

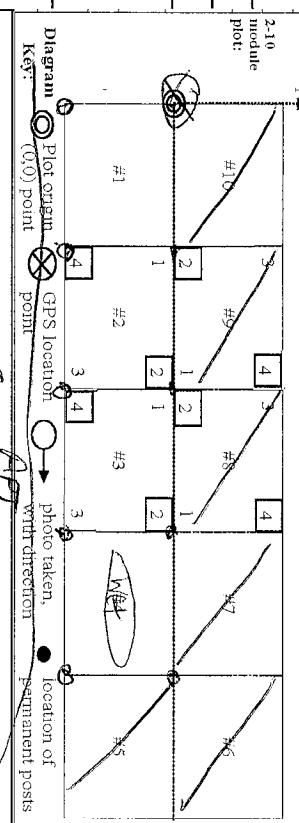
Stems present **Plot size stems:** 0.04 (ha)

Depth: (1-5) M

Intensive modules: 2,3,8,9,1,2,3,4 (EDITION MODIFIED)

Camera No.: 2

Photo Nos.: C2 - 104



Plot placement: Representative RTS Random Stratified Random

Transect component Systematic grid Capture specific feature Other

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

Layout: 1x4

Location: Park at pull off across from Handle Road. Walk west on

APT to plot
plot to sit in 4 mods

Rationale: GRTS pt. fall at (-1, -1), slide

Veg Char: White Ash, Elm, Box ~~stel~~, Spurred Black Maple, Mid Sht: Black Maple, Box Elder
Under: Poison Ivy, Solidago, Aster, Festuca, Multiflora Rose, Rosa, Wingstem

Minimum required fields in Bold and Underlined

*Definitions and values in CMPCAP FORM v. 1.0 and CVS Field Guide

OVER

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

Project Label: PCAP

Project Name: DIMS 2011

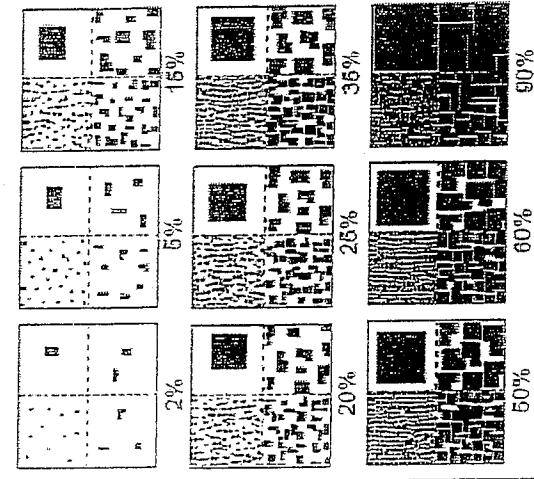
Plot No.: 1149

Page 2 of 2

| CLASSIFICATION | STAND SIZE | DISTURBANCES | | | |
|--|------------------------------------|--|----------------------------------|---------------------------------------|--|
| | | type* | severity** | yrs ago | % of plot |
| (FIT = excellent, good, fair, poor; CONF = high, med, low) | Fit and Confidence | | | | |
| Hydrogeomorphic class (WETLANDS ONLY): | | | | | |
| □ DEPRESSION | Fit=_____ Conf=_____ | <input type="checkbox"/> >1,000 x plot size | <input type="checkbox"/> Human | <input checked="" type="checkbox"/> L | <input type="checkbox"/> 1 <input type="checkbox"/> 2 Herbicide drainage foss |
| □ IMPOUNDMENT □ Beaver □ Human | Fit=_____ Conf=_____ | <input type="checkbox"/> > 100 x plot size | <input type="checkbox"/> Natural | <input type="checkbox"/> | <input type="checkbox"/> |
| □ RIVERINE □ Headwater □ Mainstem □ Channel | Fit=_____ Conf=_____ | <input checked="" type="checkbox"/> 10-100 x plot size | <input type="checkbox"/> Fire | <input type="checkbox"/> | <input type="checkbox"/> |
| □ SLOPE (ground water hydrology or on a physical slope) | Fit=_____ Conf=_____ | <input type="checkbox"/> 3-10 x plot size | <input type="checkbox"/> Cut | <input type="checkbox"/> | <input type="checkbox"/> |
| □ FRINGING □ Reservoir □ Natural Lake | Fit=_____ Conf=_____ | <input type="checkbox"/> 1-3 x plot size | <input type="checkbox"/> Animal | <input checked="" type="checkbox"/> M | <input type="checkbox"/> D O Deer Brows |
| □ COASTAL (specify subclass) | Fit=_____ Conf=_____ | <input type="checkbox"/> < plot size | <input type="checkbox"/> Other | <input type="checkbox"/> | <input type="checkbox"/> |
| □ BOG (strongly, moderately, weekly ombrotrophic) | Fit=_____ Conf=_____ | | | | |
| Ohio EPA VIBI Plant Community Class (WETLANDS ONLY): | | | | | |
| □ FOREST □ swamp forest □ bog forest □ forest seep | Fit=_____ Conf=_____ | | | | |
| □ EMERGENT □ marsh □ wet meadow □ open bog | Fit=_____ Conf=_____ | | | | |
| □ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen | Fit=_____ Conf=_____ | | | | |
| MODIFIED NATURERESERVE CLASS* | | | | | |
| CODE (on separate form): | | | | | |
| COMMUNITY NAME: <u>L01 Mosaic Floodplain Forest</u> | Fit= <u>Poor</u> Conf= <u>fair</u> | | | | |
| * But half plot is defined as meadow area | | | | | |
| HOMOGENEITY | | | | | |
| ✓ Homogeneous | | | | | |
| □ Compositional trend across the plot | | | | | |
| □ Conspicuous inclusions | | | | | |
| □ Irregular pattern mosaic | | | | | |
| Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.) | | | | | |
| <p>Plot straddles a forest edge so portions of the plot are in an open meadow. The forested portion is wetter with evidence of flooding. Lots of poison ivy in the plot and growing up the trees. Torilis and Multiflora Rose were invading. The multiflora did not look healthy and had some herbicide damage. Plot was definitely under water this spring a lot of the forest covered very hard mud on it.</p> | | | | | |

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various rating elements to portray "Amount of Quality". NOTE: Within any given box, each quadrant contains the same value area covered, just different shaded objects.



| cover class | % cover | midpoint |
|-------------|-----------------|----------|
| 1 | solitary or few | 0.0001 |
| 2 | 0-1% | 0.006 |
| 3 | 1-2% | 0.016 |
| 4 | 2-5% | 0.036 |
| 5 | 5-10% | 0.076 |
| 6 | 10-26% | 0.176 |
| 7 | 25-50% | 0.376 |
| 8 | 50-76% | 0.625 |
| 9 | 76-96% | 0.860 |
| 10 | 96-100% | 0.976 |

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.

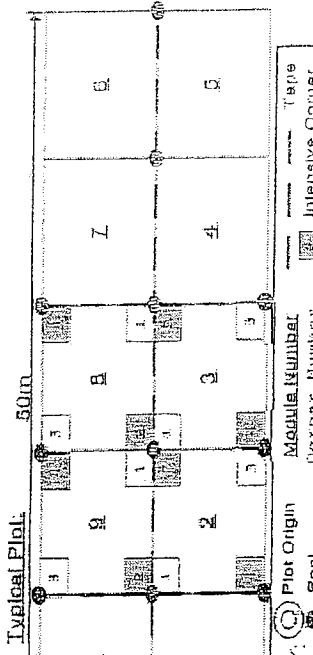
MEDIUM LOW values include evidence of browse at about 10 percent of the stems with no significant impact to plant reproduction evident. In this rating, plants are browsed but preferential species are observed to be normal in comparison to low browse areas. For example, trilliums may flower and fruit,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

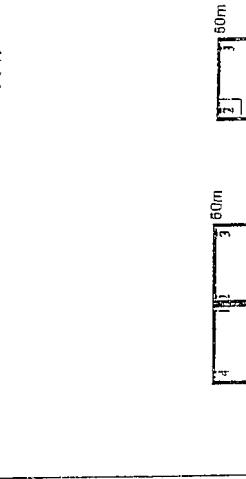
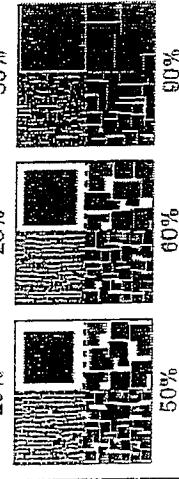
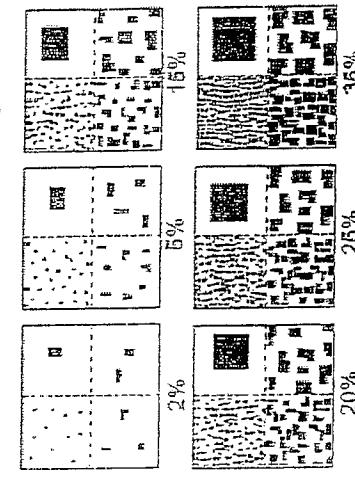
VERY HIGH values include extensive browse conditions, where the browse line is very evident AND almost all seedlings and herbs are severely browsed or missing. Browse line may be 5 to 6 feet in height with no or little green growth beneath.



KEY: Plot Origin Post Baseline Intensive Corner

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for visual data elements to convey "Amount" or "Quantity", QUITE. Within any given plot, each quadrant contains the same total area covered, just different sized objects.



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.

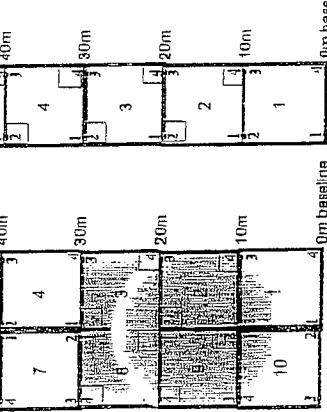
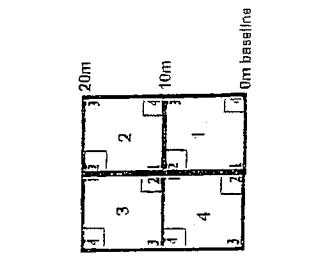
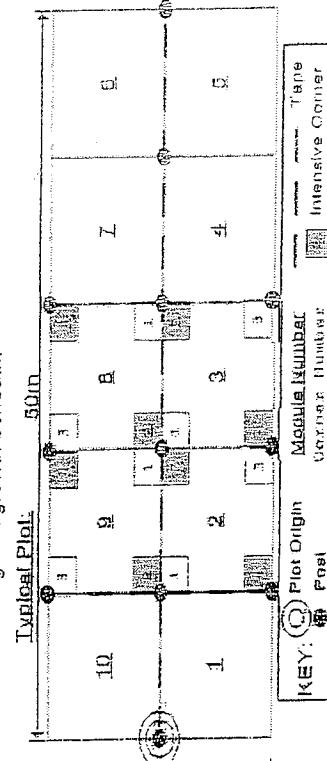
MEDIUM: browse affects greater than 10 percent and less than 25 percent of stems in the 1 m² nested quadrat and intensive module. A browse line is usually not evident or obvious for all classes and species of vegetation, but careful examination may show preferential browse and/or browse lines for some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

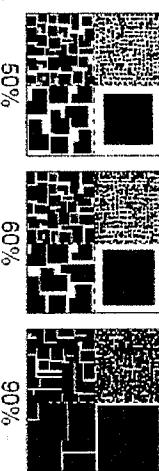
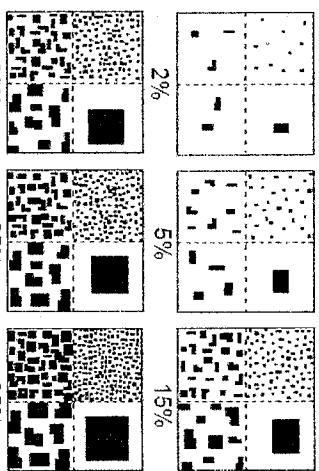


CLEVELAND METROPARKSProject Label: PCAP Project name: CLMS20 Plot no.: 117A Intensive modules: 4 Plot configuration: 1 X 4 Plot area (ha): 0.04Total modules: 4Visual est. % open water entire site: 4 Visual est. %unveg.o.w. entire site: _____ Visual est. %invasives entire site: _____**Cleveland
Metroparks**

| Strata - Cov entire plot | T | S | H (F) (A) | Br | Species | | | | Estimate for each intensive module: | | | | | | | | | | | | | |
|--------------------------|---|---|-----------|----|--------------------------------|-----------|-----|--------|-------------------------------------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| | | | | | C | Voucher # | mod | corner | mod | corner | mod | corner | mod | corner | mod | corner | mod | corner | mod | corner | mod | corner |
| | | | | 1 | <i>Quercus Seecings</i> | | 1 | 2 | 2 | 4 | 2 | 3 | 4 | 3 | 2 | 4 | 4 | 5 | 4 | 2 | R | R |
| | | | | 2 | <i>Cirsium sp.</i> (no flower) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | 3 | <i>Mentha piperita</i> | X SRE 477 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

EXAMPLES OF PERCENT OF AREA COVERED

The following graphic can be used for various data elements to convey amount of quantity. **NOTE:** Within any given box, each quadrant contains the same total area covered just different sized objects.



Nested Corners

| 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% | 0.825 |
| 9 | 75-95% | 0.850 |
| 10 | 95-100% | 0.975 |

BROWSE RATING NARRATIVE DESCRIPTION

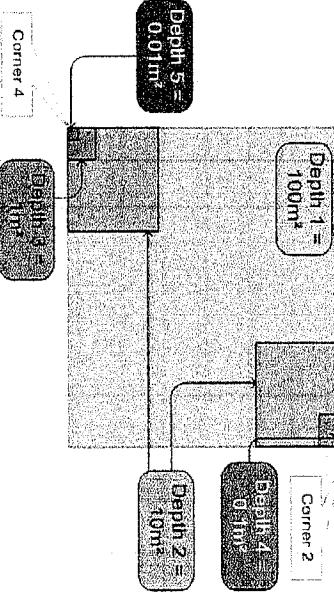
LOW OR NONE: there is no measurable browse line AND there are very few or no plants 1-m nested quadrat and intensive module. In general, low values relate to less than 10 percent, by numbers of stems browsed at about 10 percent of the stems with no significant impact to plant reproduction evident. In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

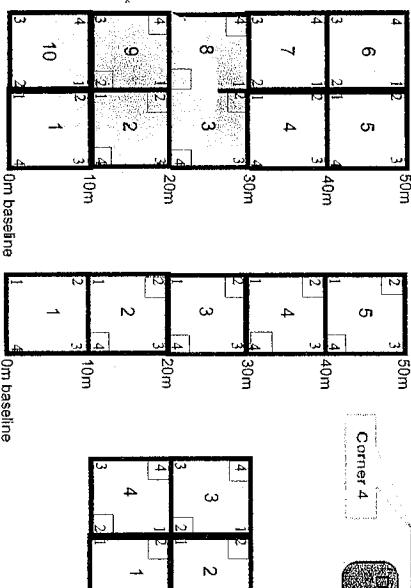
HIGH: greater than 25 percent of the stems of plants in the 1 m² nested quadrat and intensive module AND a browse line is evident.

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.



Typical Plot:

KEY: ● Plot Origin • Post Module Number ┌─┐ Intensive Corner



CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet

Project Label: PCAP

Project Name: OIMS2011

Plot No.: 1179 Page: 1 of 1

Explain subsample (additional room on back):

| mod # | species | c | voucher# | # stems 0-5.1m browsed | % sub sample | # shrub clumps | size class (cm) woody stems >1m | | | | | | | | | | 11 >40 (record each tree) |
|-------|------------------------|---|----------|------------------------------|-----------------|----------------------|---------------------------------|---|---|---|---|---|---|---|---|----|------------------------------|
| | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| -1 | Acer saccharum | | | | | | 2B | | | | 7 | | | | | | |
| -1 | Fraxinus americana | | | | | | 8.5.11 | | | | | | | | | | 42.3 |
| -1 | Ulmus americana | | | | | | | | | | | | | | | | |
| -1 | Acer negundo | | | | | | | | | | | | | | | | |
| -1 | Rosa multiflora | | | | | | | | | | | | | | | | |
| -1 | Toxicodendron radicans | | | | | | | | | | | | | | | | |
| -2 | Styrax obassia | | | | | | | | | | | | | | | | |
| -2 | Acer negundo | | | | | | | | | | | | | | | | |
| -2 | Fraxinus americana | | | | | | | | | | | | | | | | |
| -2 | Ulmus americana | | | | | | | | | | | | | | | | |
| -2 | Toxicodendron radicans | | | | | | | | | | | | | | | | |
| -2 | Pithecellobium dulce | | | | | | | | | | | | | | | | |
| -2 | Rosa multiflora | | | | | | | | | | | | | | | | |
| -2 | Acer saccharum | | | | | | | | | | | | | | | | |
| -3 | Rosa multiflora | | | | | | X | 3 | | | | | | | | | |
| -3 | Fraxinus americana | | | | | | | | | | | | | | | | |
| -3 | Platanus occidentalis | | | | | | | | | | | | | | | | |
| -3 | Ulmus americana | | | | | | | | | | | | | | | | |
| -3 | Toxicodendron radicans | | | | | | | | | | | | | | | | |
| -4 | Ulmus americana | | | | | | | | | | | | | | | | |
| -4 | Spondias derr | | | | | | | | | | | | | | | | |
| -4 | Fraxinus americana | | | | | | | | | | | | | | | | |
| -4 | Toxicodendron radicans | | | | | | | | | | | | | | | | |
| -4 | Lantana camara | | | | | | | | | | | | | | | | |

Acer negundo

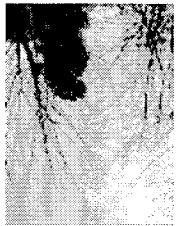
3aCM PCAP Natural Woody Stem Data Sheet ver 2.0.xls last revised 6/9/2011 jjm

Rosa multiflora

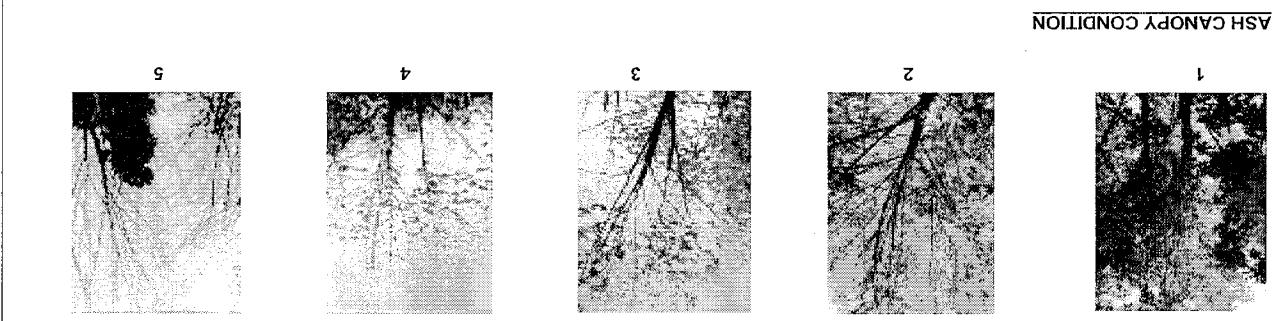
57.2, 41.3

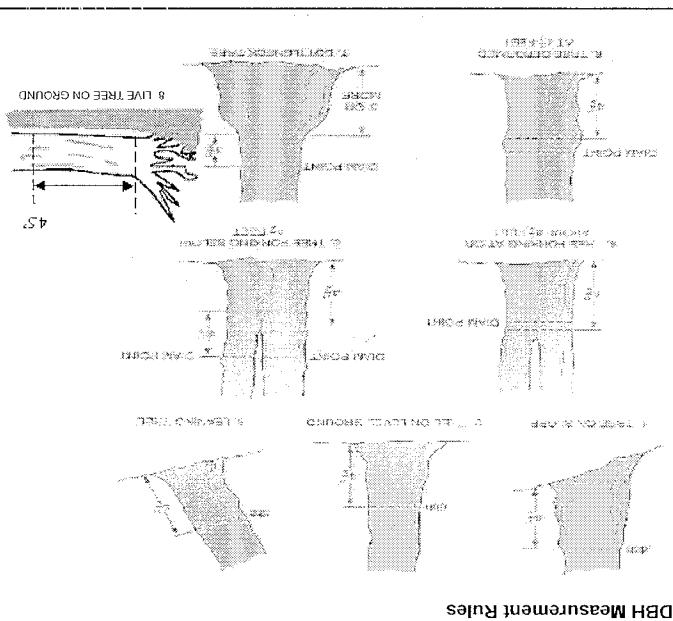
1

Natural Resources Management FORM NRP/2010-03a

| ASH CANOPY BREAKUP CONDITION (for dead trees): | | | | |
|--|---|--|---|---|
| A | B | C | D | E |
|  |  |  |  |  |
| (if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below) | | | | |

1. Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple.
2. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves.
3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
4. >50% Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to sunlight, die naturally and are not considered.
5. Dead canopy: No leaves remain in the canopy portion of the tree. If still counts as a 5 even if there are epiphytic sprouts below the canopy (lowest branch) on the trunk.



| DBH Measurement Rules | |
|---|--|
| <p>Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.</p> <p>Record using the tally system from 1 to 10</p> <p>•</p> <p></p> |  |

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
 Project Label: PCAP Project Name: OHIO 2011

Plot No.: 1179

Ohio Department of Natural Resources
 Natural Resources Management Form NP2010-05a
 Page: 1 of 1

| COVER BY STRATA (%) estimate using 5x5 m plots of size 8, 12, 18 sq. | | If trail falls in plot record type and cover for each | |
|--|------------------|---|-------------------------|
| Strata | Height Range (m) | Total Cover (%) | Type |
| Trees | 2 - 5 | 48 | (Sum = 100%) percent |
| Shrub | 1.5 - 5 | 8 | (Each ≤ 100%) percent |
| Herb | < 1.5 | 80 | Coarse Woody Debris *** |
| Floating* | / | / | Fine Woody Debris *** |
| (Aquatic)** | / | / | Litter |
| | | | Boulders unsanctioned |
| | | | Boulders sanctioned |
| | | | Gravel |
| | | | Deer |

* rooted and floating or slightly emersed
** submerged most plant mass below surface
SEE BACK OF PAGE FOR "TYPICAL"
STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

Remember: in a standard 2x5 plot each module = 10% cover

MICROTOTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

Ranks for microhabitat features. Select one or select two and average the score. NOTE: If mod fails on a slope automatically gets ranked based on steepness (1-3)
Slope 1 = slight elevational grade across module (hill) **Slope 2** = falls on slope > 20° **Slope 3** = maximum steepness that can be safely sampled ~45°

0 feature is absent or functionally absent (Golf Course Flat)

1 feature is present in very small amounts, or if more common, of low quality

2 feature is present in moderate or greater amounts and of highest quality

3 feature is present in very small amounts, but not of highest quality, or in small amounts of low quality

4 feature is present in moderate or greater amounts and of highest quality

c.w.d. = count for pieces with minimum 1m length

| no. of tufts | no. of hummocks | no. macro depressions | c.w.d. | c.w.d. | microhabitat | microhabitat |
|--------------|-----------------|-----------------------|------------|---------|--------------|--------------|
| depth 3 | | (2-2 cm) | (1.2-4 cm) | >4.0 cm | interspersed | |
| depth 2 | | depth 1 | depth 1 | depth 1 | SLOPE | |
| 1x1m | 3.18x3.6m | 10x10m | 10x10m | 10x10m | 10x10m | |
| mod# (count) | corner (count) | (count) | (count) | (count) | (rank) | |
| 1 | 0 | 0 | X2 | 10 | X1 | 1 |
| 2 | 0 | 0 | 2 | 8 | 0 | 1 |
| 3 | 0 | 0 | 2 | 12 | 0 | 1 |
| 4 | 0 | 0 | 1 | 14 | 3 | 0 |
| 5 | 0 | 0 | | | | |
| 6 | 0 | 0 | | | | |

NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated.
macro depressions = microtopographic depressions with module. These may extend into other modules and be counted again.
c.w.d. = coarse woody debris
microhab. interspers., = overall ranking of plot/microtopographic interspersion complexity using scale below

MICHAEL INDICES (degrees) + for up - for down
 /FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD

| Module | N | S | E | W |
|--------|---|----|---|----|
| 1 | 0 | 20 | 1 | 4 |
| 2 | 4 | 41 | 3 | 3 |
| 3 | 1 | 42 | 1 | 17 |
| 4 | 9 | 5 | 9 | 2 |

CROWN COVER DENSITY METER: Make 4 readings per module facing N, S, E, W Place (4 dots per grid square)

TRAIL INFORMATION: If trail falls in plot record type and cover for each

| Type | %Cover |
|-----------------------|--------|
| All Purpose | |
| Bridge | |
| Hiking sanctioned | |
| Boulders unsanctioned | |
| Gravel | |
| Deer | |

| At aspect | N | E | W | TSI** |
|-----------|---|---|---|--|
| | | | | LFI is angle of plot to the horizon. TSI is angles formed by local slopes. For TSI measure angle from records eye to eye of person standing ~10 m away |
| | | | | +45 degrees NE |
| | | | | +90 degrees E |
| | | | | -135 degrees SE |
| | | | | +180 degrees S |
| | | | | +225 degrees SW |
| | | | | +270 degrees W |
| | | | | +315 degrees NW |

* Landform Index (position within landscape)

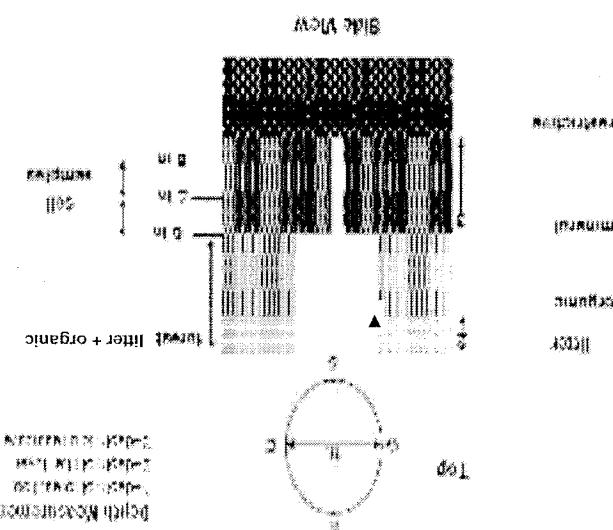
** Terrain Shape Index (site microtopographic shape)

| GENERAL FORM | | STRATA | | COVER BY STRATA | |
|------------------------|------------------------------|---|--|----------------------|---|
| Tree (generally > 5 m) | Shrub (generally 0.5 to 5 m) | Tree (overstory), very tall shrubs*, liana, epiphyte) | Tree (spalling), shrub, liana, epiphyte) | Heft (Field) | Floating |
| Tree (generally > 5 m) | Shrub (generally 0.5 to 5 m) | Pteridophytes | Epiphyte | Heft (Field) | Heft, dwarf-shrub**, shrub, liana, epiphyte) |
| STRATA | GENERAL FORM | Vidan Sandstone Member | Alluvial Conglomerate Member | Apudalic (Submerged) | Submerged |
| LOWER PENNSYLVANIAN | LOM | Logan Formation | Benton Conglomerate Member | Floating | Heft, dwarf-shrub**, shrub, liana, epiphyte) |
| | | | Black Shale Sandstone Member | | Tree (spalling), shrub, liana, epiphyte) |
| | | | numerous sandstone members | | Tree (overstory), very tall shrubs*, liana, epiphyte) |
| | | | Black Shale member | | Heft (Field) |
| MISSISSIPPIAN | LOM | Cayuga Formation | is core of the river | | Heft (Field) |
| | | | numerous sandstone members | | Heft, dwarf-shrub**, shrub, liana, epiphyte) |
| | | | Sandstone Member | | Tree (overstory), very tall shrubs*, liana, epiphyte) |
| | | | Sandstone Member | | Tree (spalling), shrub, liana, epiphyte) |
| | | | Beaumont Sandstone | | Heft (Field) |
| | | | Bedford Shale | | Heft, dwarf-shrub**, shrub, liana, epiphyte) |
| | | | Clevedon Member | | Tree (overstory), very tall shrubs*, liana, epiphyte) |
| | | | Chagrin Member | | Heft (Field) |
| UPPER DEVONIAN | LOM | Ohio Shale | Chagrin Member | | Heft (Field) |
| | | | Huron Member | | Heft (Field) |

**Very tall shrubs are sometimes included in the tree stratum which case they would span the herb and shrub layers.

***Tree seedlings are often defined as up to 1.4 m height or as < 2.5 cm DBH in all shrubs < 0.5 m

****Can also include seedlings of shrubs, i.e. all shrubs < 0.5 m which case they would span the herb and shrub layers.



CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet

Metroparks Natural Resources

Project label: PCAP Project Name: Metroparks 2011

Plot No.: 11791

Page: 1 of 1

SOIL PIT DESCRIPTION: Excavate 20 cm plug wih shovel. Describe using Munsell chart, visual exam, texture, and odor.

Soil pit module # 2 (one per entire plot)

| | | |
|---|--------------|------------------|
| 5 cm | matrix color | <u>10 YR 2/1</u> |
| | mottle color | <u>—</u> |
| %mottle | | <u>—</u> |
| oxid roots | Y | <u>O</u> |
| texture* | | <u>1</u> |
| redox features** | Y | <u>O</u> |
| hydr. cond.*** | I S <u>D</u> | |
| 20 cm | matrix color | <u>10 YR 4/3</u> |
| %mottle | <u>45%</u> | |
| oxid roots | Y | <u>O</u> |
| texture* | | <u>1</u> |
| redox features** | Y | <u>O</u> |
| hydro. cond.*** | I S <u>D</u> | |
| * refer to texture classes on reverse side | | |
| ** e.g. hydrogen sulfide odor, gleying, etc. | | |
| *** Circle one. | | |
| I=undrained S=saturated M=most D=dry | | |
| Notes: include evidence of earthworms (worms, castings, middens) | | |
| -No evidence of earthworms found. | | |

SOIL SAMPLES Standard procedure: collect a soil sample of the top 10 cm of soil from center of each intensive module and composite the sample

Soil Collection Module

| Module # | Horizon (A, B, C) |
|-------------------|-------------------|
| 2,3,8,9 composted | A |

Soil Description/notes:

STANDING BIOMASS (required for emergent wetlands) collected in 0.1m clip plots (32x32 cm) from corners 1 and 3 in each intensive module. Required for VIBI-E score calculation. C? =check when collected

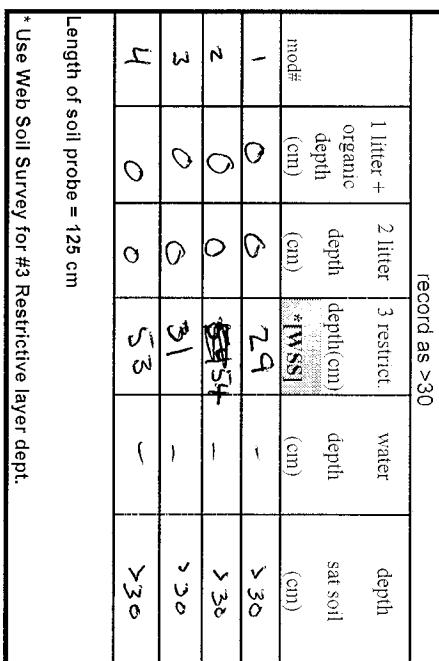
| Module # | C? | Corner | Corner |
|----------|----|--------|--------|
| | | | |
| | | | |
| | | | |
| | | | |

SOIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to the nearest 0.1 cm in center of intensive modules. If >30.5 cm, record as >30

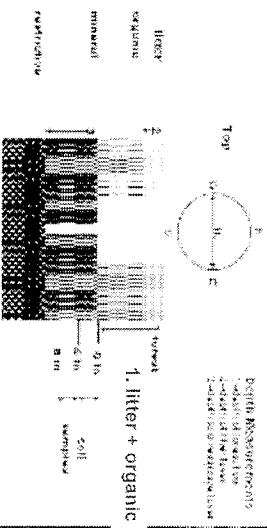
| mod# | 1 litter + organic depth (cm) | 2 litter depth(cm) | 3 restrict. depth (cm) | water depth (cm) | sat soil depth (cm) |
|------|-------------------------------|--------------------|------------------------|------------------|---------------------|
| 1 | 0 | 0 | 29 | — | >30 |
| 2 | 0 | 0 | 25 | — | >30 |
| 3 | 0 | 0 | 31 | — | >30 |
| 4 | 0 | 0 | 53 | — | >30 |

Length of soil probe = 125 cm

* Use Web Soil Survey for #3 Restrictive layer dept.



- Well drained
- Moderately well dr.
- Somewhat poorly dr.
- Poorly dr.
- Very poorly dr.
- Impermeable surface



UNKNOWN: The hydrologic regime cannot be determined from the available information.

PERMANENTLY FLOODED: Water covers the land surface at all times of the year in all years. Equivalent to Cowardin's "permanently flooded".

is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded modifiers.

SEMIPERMANENTLY FLOODED (exposed <1/year): Surface water persists throughout the growing season in most years. Land surface

is intermittently flooded when water level drops below soil surface. Equivalent to Cowardin's "intermittently flooded modifier".

the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's developed for use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of

seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was

introduced to use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of

the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's "intermittently flooded modifier".

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable

surface. Often characterizes floodplain levees and lower terraces. Equivalent to Cowardin's "temporarily flooded".

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil

characterizes floodplain upper terraces.

OCASSIONALLY FLOODED: Surface water can be present for brief periods during growing season, but not in most years. Often

saturated to surface for extended periods during the growing season. Equivalent to Cowardin's "saturated modifier".

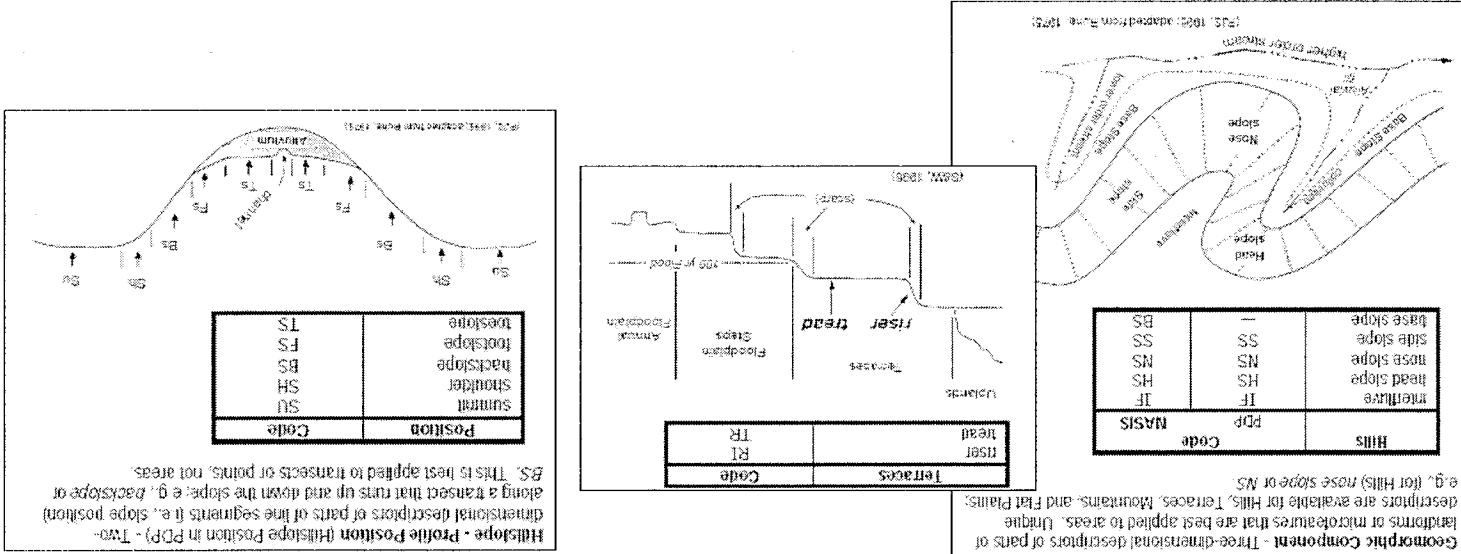
PERMANENTLY/SEMIPERMANENTLY SATURATED: Dry less than once per year. Surface water is seldom present, but substrate is

to surface for extended periods during the growing season.

INTERMITTENTLY/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated

to a wetland. Very rarely flooded.

HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.)



| Class | Code | Code | Code | Code | Code | Code | Code |
|----------------------------------|---|-------|----------------------|---------------|---------------|---------------|---------------|
| Few | C | M | M | 2 < Z | Z > 20 | Z < 20 | Z > 20 |
| Common | I | # | # | < 2 | 2 < Z | Z < 20 | Z > 20 |
| Many | N | NASIS | Surface Area Covered | CtrlArea % of | CtrlArea % of | CtrlArea % of | CtrlArea % of |
| SOI TEXTURE | Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper, the sample should be wet enough that all of the particles are saturated but excess water does not freely flow from the sample when squeezed. Attempt to roll the sample into a ball. If the soil will not stay in a ball and has a grainy texture, the texture is either sandy or coarse sandy. If the soil does form a ball, squeeze the sample between your fingers and attempt to form a ball and a ribbon should be coded as clayey. Samples both a ball and a ribbon should be coded as clayey, samples which form a ball but not a ribbon should be coded as loamy. | | | | | | |
| PERCENT MOTLES (USE CLASS CODES) | | | | | | | |

| Tier 1: Early detection/Rapid response | | | | | | |
|--|---------------------------------|--------------------------------|----------|--------------------------|----------|----|
| # of Plants | Microstegium vimineum | Japanesest stiltgrass | Presence | GPS | Comments | |
| 1: 1-10 | Ranunculus ficaria | Lesser Celandine | X | Found w/ plot in SE area | X: Yes | |
| 2: 11-50. | Cyanachum lutescens | Black Swallow-wort | | | | |
| 3: 51-100 | Boutomus umbellatus | (Vine) Flowering Rush | | | | |
| 4: 101-1,000 | Lythrum salicaria | (Vine) Purple Loosestrife | | | | |
| 5: >1,000 | Aegopodium podagraria | (G-cover) Bishop's Goutweed | | | | |
| Tier 2: Assess as Needed | | | | | | |
| # of Plants | Acetoselinoides | Norway Maple | NE | SE | SW | NW |
| 1: 1-10 | Allianthus altissima | Tre of Heaven | | | | |
| 2: 11-50. | Lonicera japonica | (Vine) Japanesest Honeysuckle | | | | |
| 3: 51-100 | Lonicera caprifolium | (Vine) Japanese honeysuckle | | | | |
| 4: 101-1,000 | Alnus glutinosa | Alder | | | | |
| 5: >1,000 | Trollius sp. | Hedgeparsley | 1 | 3 | 4 | 1 |
| Tier 3: Presence is of Interest | | | | | | |
| # of Plants | Convallaria majalis | Lily of the Valley | NE | SE | SW | NW |
| 1: 1-10 | Cornimilla varia | (G-cover) Crown Vetch | | | | |
| 2: 11-50. | Eleutherococcus pentaphylloides | (G-cover) Five-leaf Aralia | | | | |
| 3: 51-100 | Pachysandra terminalis | (G-cover) Japanese Pachysandra | | | | |
| 4: 101-1,000 | Pulmonaria officinalis | (G-cover) Lungwort | | | | |
| 5: >1,000 | Rubus phoenicolasius | Wineberry | | | | |
| Tier 4: Widespread and abundant | | | | | | |
| # of Plants | Alliaria petiolata | Garlic Mustard | NE | SE | SW | NW |
| 1: 1-10 | Ligustrum vulgare | Common Privet | X | X | X | |
| 2: 11-50. | L. morrowii, L. tatarica | Bush Honeyuckles (shrub) | X | X | X | |
| 3: 51-100 | Phragmites australis | Reed Canarygrass | X | | | |
| 4: 101-1,000 | Phragmites australis (wetland) | Phragmites (wetland) | | | | |
| 5: >1,000 | Polygonum cuspidatum | Japanese Knotweed | | | | |
| Tier A: Natural Resources | | | | | | |
| # of Plants | Vitis riparia | Periwinkle | NE | SE | SW | NW |
| 1: 1-10 | Vitis cordata | Dame's Rocket | | | | |
| 2: 11-50. | Vitis labrusca | Common Teasel | X | X | X | |
| 3: 51-100 | Vitis vulpina | Canada Thistle | X | X | X | |
| 4: 101-1,000 | Vitis vinifera | Cat tails (wetland) | | | | |
| 5: >1,000 | Zizaniopsis miliacea | Common Reed | | | | |

4132454 GPS #s
8/18/18 GPS #s
After plots

DEM 7/25/11
~~DEM 8/12/18~~
~~DEM 8/12/18~~
~~DEM 8/12/18~~
~~DEM 8/12/18~~

CLEVELAND METROPARKS Emerald Ash Borer - Fraxinus Sheet

Project Label: PCAP

Project Name: 1MS2011

INTENSIVE MODULES ONLY TREES $\geq 10\text{cm}$ ONLY
Plot No.: 1179 Date: 7/27/11

Page: 1 of 2

| Tree ID. | Species | Dead c | Voucher # | DBH (cm) | Ht @ DBH | Ash condition | *Dead condition | # Exit holes | Epicormic present | Woodpecker holes |
|----------|--------------------|--------|-----------|----------|----------|---------------|-----------------|--------------|-------------------|------------------|
| 1 1 | Fraxinus americana | | 423 | 3 | 36.6 | No | No | 10 | Yes | |
| 2 2 | Fraxinus americana | | | | 18.8 | 3 | No | 3 | Yes | |
| 3 3 | Fraxinus americana | | | | 21.4 | 2 | No | 16 | No | Yes |
| 4 4 | Fraxinus americana | | | | | No | No | 2 | No | No |
| 5 5 | Fraxinus americana | | | | | No | No | | No | No |
| 6 6 | | | | | | | | | | |
| 7 7 | | | | | | | | | | |
| 8 8 | | | | | | | | | | |
| 9 9 | | | | | | | | | | |
| 10 10 | | | | | | | | | | |
| 11 11 | | | | | | | | | | |
| 12 12 | | | | | | | | | | |
| 13 13 | | | | | | | | | | |
| 14 14 | | | | | | | | | | |
| 15 15 | | | | | | | | | | |
| 16 16 | | | | | | | | | | |
| 17 17 | | | | | | | | | | |
| 18 18 | | | | | | | | | | |
| 19 19 | | | | | | | | | | |
| 20 20 | | | | | | | | | | |
| 21 21 | | | | | | | | | | |
| 22 22 | | | | | | | | | | |
| 23 23 | | | | | | | | | | |
| 24 24 | | | | | | | | | | |
| 25 25 | | | | | | | | | | |

ASH Only

*** Change intensive module numbers when necessary

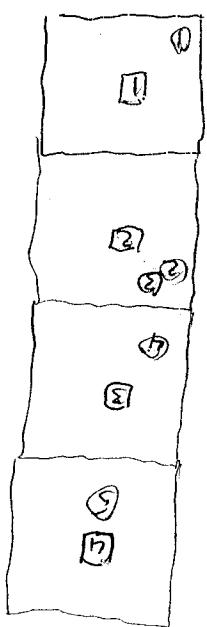
Baseline

9

8

2

3

Map all ash trees $\geq 10\text{cm}$ in each module using Tree ID number

* If Ash Condition scores 5 (dead) provide breakup score (A-E)

Count EAB exit holes 1.25m² x 21.5m
Woodpecker and epicormic marked present (1) or absent (0)

Counting a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

Site ID: 349 MS 1129

Reviewed by (initials):

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (BACK)

| Plot Coordinates (choose one) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|---|---|---|------|---|---|---|------|---|---------------------------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|-----------------------|--------------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|-----------------------|----------|-----------------------|-----------------------|-----------------------|-------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|-----------------------|----------------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|-----------------------|------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|-----------------------|------------|-----------------------|-----------------------|-----------------------|---------|-----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|-----------------------|-------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|-----------------------|-------------|-----------------------|-----------------------|-----------------------|-------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|-------------|-----------------------|-----------------------|-----------------------|-------|-----------------------|-----------------------|-----------|-----------------------|-----------------------|-----------------------|--|--|--|--|--|-----------------------|-----------------------|
| Latitude North | | | | | Longitude West | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 32 | 49 | 81 | 23 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Use Decimal Degrees: NAD83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flag Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Plot #2 at all out back property 2 GPS coordinates back at plot #1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O AA CENTER O N3 O S3 O E3 O W3 <input checked="" type="checkbox"/> Nearest practicable location (Flag and comment below) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flag | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plots are centered on the buffer transects at the nearest practicable location ALONG THE TRANSCECT. This is important because all buffer plots are described where the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble. Fill in the flag box and describe why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible buffer plot. Plots are centered on the buffer transects at the nearest practicable location ALONG THE TRANSCECT. This is important because all buffer plots are described where the coordinates will indicate the location of the transect. Fill in the "nearest practicable location" bubble. Fill in the flag box and describe why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible buffer plot. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Provide GPS coordinates at the center of the buffer plot (#3) at the far end of each buffer transect and for the buffer plot at the AA CENTER. Indicate the location of the plot coordinates by filling in the appropriate bubble. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLOT COORDINATES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>Flag</th> <th>1</th> <th>2</th> <th>3</th> <th>Flag</th> <th>1</th> </tr> </thead> <tbody> <tr> <td>Fill bubble if present - Plot 1</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Purple Loosstrife</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Johnsongrass</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Fill bubble if present - Plot 2</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Knotweed</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Kudzu</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Fill bubble if present - Plot 3</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Japanese Knotweed</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Millettia Rose</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Fill bubble if present - Plot 1</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Petrenial Pepperweed</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Common Buckthorn</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Fill bubble if present - Plot 2</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Giant Reed</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Himalayan Blackberry</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Fill bubble if present - Plot 3</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Chesagrass</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Tamarsk</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Mile-A-Minute Weed</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Reed Canary Grass</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Other</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Birdsfoot Trefoil</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Common Reed</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Other</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>Canadian Thistle</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Early Surge</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td>Other</td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>AA CENTER</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </tbody> </table> | | | | | | | | | | | 1 | 2 | 3 | Flag | 1 | 2 | 3 | Flag | 1 | Fill bubble if present - Plot 1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Purple Loosstrife | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Johnsongrass | <input type="radio"/> | <input type="radio"/> | Fill bubble if present - Plot 2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Knotweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Kudzu | <input type="radio"/> | <input type="radio"/> | Fill bubble if present - Plot 3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Japanese Knotweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Millettia Rose | <input type="radio"/> | <input type="radio"/> | Fill bubble if present - Plot 1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Petrenial Pepperweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Buckthorn | <input type="radio"/> | <input type="radio"/> | Fill bubble if present - Plot 2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Giant Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Himalayan Blackberry | <input type="radio"/> | <input type="radio"/> | Fill bubble if present - Plot 3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Chesagrass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Tamarsk | <input type="radio"/> | <input type="radio"/> | Mile-A-Minute Weed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Reed Canary Grass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | Birdsfoot Trefoil | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | Canadian Thistle | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Early Surge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | AA CENTER | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | <input type="radio"/> | <input type="radio"/> |
| | 1 | 2 | 3 | Flag | 1 | 2 | 3 | Flag | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fill bubble if present - Plot 1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Purple Loosstrife | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Johnsongrass | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fill bubble if present - Plot 2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Knotweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Kudzu | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fill bubble if present - Plot 3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Japanese Knotweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Millettia Rose | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fill bubble if present - Plot 1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Petrenial Pepperweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Buckthorn | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fill bubble if present - Plot 2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Giant Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Himalayan Blackberry | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fill bubble if present - Plot 3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Chesagrass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Tamarsk | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mile-A-Minute Weed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Reed Canary Grass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Birdsfoot Trefoil | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canadian Thistle | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Early Surge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AA CENTER | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | <input type="radio"/> | <input type="radio"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continue a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)

Reviewed by (initials):

Site ID: CR8 M3 2011 DATE: 07/29/2011

Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag Fill bubble if present - Plot 1 2 3 Flag

| | | | | | | | | | | | | |
|--|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------|-------------------------------------|--------------------------|-------|--------------------------|--------------------------|--------------------------|
| Eurasian Watermilfoil | <input type="checkbox"/> | <input type="checkbox"/> | Purple Loosestrife | <input type="checkbox"/> | <input type="checkbox"/> | Juncion Grass | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Water Hyacinth | <input type="checkbox"/> | <input type="checkbox"/> | Knotweed | <input type="checkbox"/> | <input type="checkbox"/> | Kudzu | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Yellow Floating Heart | <input type="checkbox"/> | <input type="checkbox"/> | Japanese Knotweed | <input type="checkbox"/> | <input type="checkbox"/> | Muliflora Rose | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Giant Salvinia | <input type="checkbox"/> | <input type="checkbox"/> | Pennisetum Pepperweed | <input type="checkbox"/> | <input type="checkbox"/> | Common Buckthorn | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Giant Mustard | <input type="checkbox"/> | <input type="checkbox"/> | Giant Reed | <input type="checkbox"/> | <input type="checkbox"/> | Himalayan Blackberry | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pisonia Hemlock | <input type="checkbox"/> | <input type="checkbox"/> | Chesagrass | <input type="checkbox"/> | <input type="checkbox"/> | Tamansk | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mile-A-Minute Weed | <input type="checkbox"/> | <input type="checkbox"/> | Rabbitbrush/Chenopodioides | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Birdsfoot Trefoil | <input type="checkbox"/> | <input type="checkbox"/> | Common Reed | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Canadian Thistle | <input type="checkbox"/> | <input type="checkbox"/> | Leary Sedge | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| If Buffer Plot 3 can not be accessed, take the nearest practicable location ALONG THE TRANSCECT. This is important because all Buffer Plots are centered on the buffer transects and the coordinates will indicate the location of the nearest practicable location. Fill in the flag box and describe where the coordinates were taken and why in the comment section below. The coordinates of the nearest practicable location can be either placed as close to the center of Plot 3 as possible or at the center of the last accessible Buffer Plot. | | | | | | | | | | | | |

Flag

Location of coordinates (choose one):

○ AA CENTER ○ N3 ○ S3 ○ E3 ○ W3 ○ Nearest Practicable location (Flag and comment below)

Latitude North 41 32 41 49 Longitude West 81 81 0 26 Use Decimal Degrees - NAD83

Comments:

Flag



Buffer

Sample

Points

- Targeted All

Trees

05/27/2011

7966623548

| Flag | Comments |
|------|--|
| 3 | GPs coordinate take at North side of stream |
| 2 | Plot #2 fall on east south side of stream bank - sample from north |
| 1 | Plot #3 fall across mid stream - fall at sample |
| | Site of stream |

Use Decimal Degrees: NAD83

Latitude North 41 1 3 2 3 8 4 Longitude West 8 1 2 2 8

| | | | | | | |
|--|---------------------------------------|------|------|------|------|---|
| | AA CENTER | O N3 | O S3 | O E3 | O W3 | ● Nearest Practicable location (Flag and comment below) |
| Flag | Location of coordinates (choose one): | | | | | |
| Plot 3 can not be accessed, take the nearest Buffer transects and the nearest practicable location ALONG THE TRANSCECT. This is important because all Buffer plots are centered on the nearest practicable location ALONG THE TRANSCECT. This is important because all Buffer plots are placed as close to the center of Plot 3 as possible or at the center of the least accessible Buffer plot. Plots are centered on the nearest practicable location and the coordinates will indicate the location of the transect. Fill in the nearest practicable location below. Fill in the nearest practicable location below. This is important because all Buffer plots are centered on the nearest practicable location and the coordinates will indicate the location of the transect. Fill in the nearest practicable location below. Fill in the nearest practicable location below. | | | | | | |

| PLOT COORDINATES | | | | | | | | | |
|-----------------------|--------------------------|--------------------------|--------------------------|----------------------|-------------------------------|--------------------------|----------------------|--------------------------|--------------------------|
| | 1 | 2 | 3 | Flag | Fill bubble if present - Plot | 1 | 2 | 3 | Flag |
| Eurasian Watermilfoil | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Purple loosestrife | <input type="checkbox"/> | <input type="checkbox"/> | Juncoson Grass | <input type="checkbox"/> | <input type="checkbox"/> |
| Water Hyacinth | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Knotweed | <input type="checkbox"/> | <input type="checkbox"/> | Rudziz | <input type="checkbox"/> | <input type="checkbox"/> |
| Yellow Floating Heart | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Japanese Knotweed | <input type="checkbox"/> | <input type="checkbox"/> | Multiflora Rose | <input type="checkbox"/> | <input type="checkbox"/> |
| Giant Salvinia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Perennial Pepperweed | <input type="checkbox"/> | <input type="checkbox"/> | Common Buckthorn | <input type="checkbox"/> | <input type="checkbox"/> |
| Giant Mustard | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Giant Reed | <input type="checkbox"/> | <input type="checkbox"/> | Himalayan Blackberry | <input type="checkbox"/> | <input type="checkbox"/> |
| Poison Hemlock | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Chesegrass | <input type="checkbox"/> | <input type="checkbox"/> | Tamarsk | <input type="checkbox"/> | <input type="checkbox"/> |
| Mile-A-Minute Weed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Reed Canary Grass | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> |
| Birdsfoot Trefoil | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Common Reed | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> |
| Canada Thistle | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Leary Spurge | <input type="checkbox"/> | <input type="checkbox"/> | Other | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | | | | | | |

● Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

| | |
|---|----------------|
| Site ID: CAC MS 119 | Date: 8/7/2011 |
| FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back) | |
| Reviewed by (initials): | |

Latitude North 41 32 45 41 Longitude West 81 81 21 8
Use Decimal Degrees; NAD83

81 81 21 8

Latitude North 41 32 45 41 Longitude West 81 81 21 8

Flag

Location of coordinates (choose one):

AA CENTER O3 O3 OWS Nearest practicable location (flag and comment below)

PLOTS ARE CENTERED ON THE BUFFER TRAJECTORY LOCATION ALONG THE TRANSCECT. THIS IS IMPORTANT BECAUSE ALL BUFFER PLOTS 3 CAN NOT BE ACCESSED, TAKE THE COORDINATES AT THE NEAREST PRACTICABLE LOCATION ALONG THE TRANSCECT. THIS IS IMPORTANT BECAUSE ALL BUFFER PLOTS ARE CENTERED ON THE BUFFER TRAJECTORY LOCATION ALONG THE TRANSCECT AND WHY IN THE COMMENT SECTION BELOW. THE NEAREST PRACTICABLE LOCATION CAN BE EITHER PLACED AS CLOSE TO THE CENTER OF PLOT 3 AS POSSIBLE OR AT THE CENTER OF THE LAST ACCESSIBLE BUFFER PLOT.

FLAG BOX SHOWN AND WHY IN THE COMMENT SECTION BELOW. THE NEAREST PRACTICABLE LOCATION CAN BE EITHER PLACED AS CLOSE TO THE CENTER OF PLOT 3 AS POSSIBLE OR AT THE CENTER OF THE LAST ACCESSIBLE BUFFER PLOT.

LOCATION OF THE PLOT COORDINATES BY FILLING IN THE APPROPRIATE BUBBLE.

Provide GPS coordinates at the center of the Buffer Plot (#3) at the far end of each Buffer Trajectory and for the Buffer Plot at the AA CENTER. Indicate the

PLT COORDINATES

| Flag | 1 | 2 | 3 | Flag | 1 | 2 | 3 | Flag | 1 | 2 | 3 | Flag |
|---|----------------------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------------------|-----------------------|-----------------------|-------|
| Fill bubble if present - Plot 1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Purple loosestrife | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Juncos or Grass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| Fill bubble if present - Plot 2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Knotweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Kudzu | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| Fill bubble if present - Plot 3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Japanese knotweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Multiflora Rose | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| AA CENTER | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | Peregrine Pepperweed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Buckthorn | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| O3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Giant Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Himalayan Blackberry | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| O3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Reed Canary Grass | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| OWS | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Common Reed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| Nearest practicable location (flag and comment below) | | | | Early Spurge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |
| AA CENTER | | | | Canada Thistle | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Other |

• Confirm a filled data bubble indicates presence and an unfilled bubble indicates absence by filling in this bubble

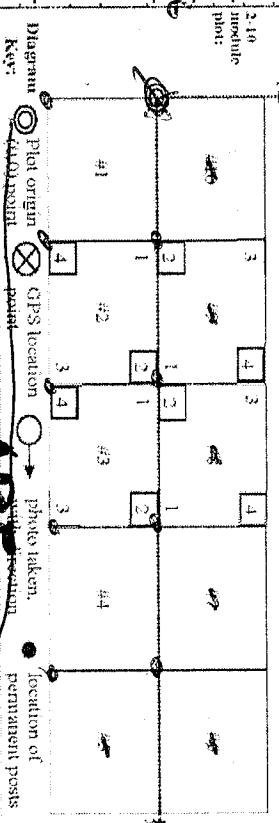
Site ID: RCP 175 1179

Reviewed by (initials):

FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)

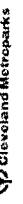
CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet

 Cleveland Metroparks
Page 1 of 2

| | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------|-----------|------|---------|-----|-----------|----------|--|--|-----|------|--|--|--|--------|--|--|--|
| GENERAL INFORMATION | | LOCATION | | | | | | | | | | | | | | | | | |
| Project Label: | PCAP | | | | | | | | | | | | | | | | | | |
| Project Name: | | | | | | | | | | | | | | | | | | | |
| Plot Name: | | | | | | | | | | | | | | | | | | | |
| Plot No.: | 1179 | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Level 4 (no nested corners sampled) <input checked="" type="checkbox"/> Level 5 (nested corners sampled) | | | | | | | | | | | | | | | | | | | |
| Date (mm/dd/yyyy): | / / | | | | | | | | | | | | | | | | | | |
| End date (if > 1 day): | / / | | | | | | | | | | | | | | | | | | |
| Party | Role** <input type="checkbox"/> Plot leader | | | | | | | | | | | | | | | | | | |
| <small>** Roles: Co-leader, Asst. Guide, Owner, Taxonomist, etc.</small> | | | | | | | | | | | | | | | | | | | |
| PLOT NOT SAMPLED: <input type="checkbox"/> Other <input type="checkbox"/> Perm. water <input type="checkbox"/> Paved <input type="checkbox"/> Slope <input type="checkbox"/> Safety | | | | | | | | | | | | | | | | | | | |
| SAMPLING QUALITY* Effort Level: <input type="checkbox"/> Very thorough <input type="checkbox"/> Accurate <input type="checkbox"/> Hurried | | | | | | | | | | | | | | | | | | | |
| TAXONOMIC ACCURACY <table border="1"> <tr> <td>high</td> <td>modera.</td> <td>low</td> <td>not simpl</td> </tr> <tr> <td>vascular</td> <td></td> <td></td> <td>n/a</td> </tr> <tr> <td>bryo</td> <td></td> <td></td> <td></td> </tr> <tr> <td>lichen</td> <td></td> <td></td> <td></td> </tr> </table> | | | | high | modera. | low | not simpl | vascular | | | n/a | bryo | | | | lichen | | | |
| high | modera. | low | not simpl | | | | | | | | | | | | | | | | |
| vascular | | | n/a | | | | | | | | | | | | | | | | |
| bryo | | | | | | | | | | | | | | | | | | | |
| lichen | | | | | | | | | | | | | | | | | | | |
| TAXONOMIC STANDARD Authority: G&C Pub Date: 1998 | | | | | | | | | | | | | | | | | | | |
| <small>Minimum required fields in Bold and Underlined</small> | | | | | | | | | | | | | | | | | | | |
| <small>* Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide</small> | | | | | | | | | | | | | | | | | | | |
| <small>† Minimum required fields in Bold and Underlined</small> | | | | | | | | | | | | | | | | | | | |
| <small>‡ Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide</small> | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| Data Confidentiality: <small>Check one: <input type="checkbox"/> Public data <input type="checkbox"/> Private Data</small> <input type="checkbox"/> Fuzz 100m <input type="checkbox"/> Fuzz 250m <input type="checkbox"/> Fuzz 500m | | | | | | | | | | | | | | | | | | | |
| Reason: <small>If data not public why?</small> | | | | | | | | | | | | | | | | | | | |
| Source of coordinates <input type="checkbox"/> MAP <input checked="" type="checkbox"/> GPS <small>GPS location in plot x=0 to 5, y=-1,0,+1): $x = \textcircled{O}$ $y = \textcircled{O}$ (base of plot x=0, y=0)</small> | | | | | | | | | | | | | | | | | | | |
| Coordinate system: <input type="checkbox"/> Lat/Long <input type="checkbox"/> UTM <input type="checkbox"/> StatePlane <input checked="" type="checkbox"/> Coord. Units <small>■ deg <input type="checkbox"/> deg min <input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> —</small> | | | | | | | | | | | | | | | | | | | |
| Datum: <input checked="" type="checkbox"/> NAD83/WGS84 <input type="checkbox"/> NAD27 | | | | | | | | | | | | | | | | | | | |
| Latitude: 41° 38' 45.6" Longitude: 81° 53' 37" | | | | | | | | | | | | | | | | | | | |
| GPS File Name: 1179A | | | | | | | | | | | | | | | | | | | |
| Plot size for cover data: <input type="checkbox"/> <input checked="" type="checkbox"/> (hectares) | | | | | | | | | | | | | | | | | | | |
| <small><input type="checkbox"/> Stems not sampled on this plot <input type="checkbox"/> Stems absent</small> | | | | | | | | | | | | | | | | | | | |
| <small><input type="checkbox"/> Stems present Plot size stems: <input type="checkbox"/> <input checked="" type="checkbox"/> (ha)</small> | | | | | | | | | | | | | | | | | | | |
| Depth: (1-5): <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 | | | | | | | | | | | | | | | | | | | |
| Intensive modules: 2, 3, 8, 9 <small>(EDIT IF MODIFIED)</small> | | | | | | | | | | | | | | | | | | | |
| Camera No.: _____ | | | | | | | | | | | | | | | | | | | |
| Photo Nos.: _____ | | | | | | | | | | | | | | | | | | | |
| OVER | | | | | | | | | | | | | | | | | | | |

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet
Project Label: PCAP

Project Name: _____



Plot No.: _____

Page 2 of 2

| CLASSIFICATION <small>(Fit = excellent, good, fair, poor; CONF = high, med, low)</small> | | STAND SIZE | | DISTURBANCES | | |
|--|--|--|--|------------------------|------------|-------------|
| | | Fit and Confidence | | type* | severity** | yr ago |
| | | Fit= Conf= | | Human | | % of plot |
| | | Fit= Conf= | | Natural | | description |
| Hydrogeomorphic class (WETLANDS ONLY): | | Fit= Conf= | | >1,000 x plot size | | |
| □ DEPRESSION | | Fit= Conf= | | >100 x plot size | | |
| □ IMPOUNDMENT □ Beaver □ Human | | Fit= Conf= | | 10-100 x plot size | | |
| □ RIVERINE □ Headwater □ Mainstem □ Channel | | Fit= Conf= | | 3-10 x plot size | | |
| □ SLOPE (ground water hydrology or on a physical slope) | | Fit= Conf= | | 1-3 x plot size | | |
| □ FRINGING □ Reservoir □ Natural Lake | | Fit= Conf= | | < plot size | | |
| □ COASTAL (specify subclass) | | Fit= Conf= | | DRAINAGE* | | |
| □ BOG (strongly, moderately, weekly ombrotrophic) | | Fit= Conf= | | Excessively drained | | |
| | | Fit= Conf= | | Somewhat excessively | | |
| | | Fit= Conf= | | Well drained | | |
| | | Fit= Conf= | | Moderately well dr. | | |
| | | Fit= Conf= | | Somewhat poorly dr. | | |
| | | Fit= Conf= | | Very poorly dr. | | |
| | | Fit= Conf= | | Impenetrable surface | | |
| Ohio EPA VIBI Plant Community Class (WETLANDS ONLY): | | Fit= Conf= | | SALINITY* | | |
| □ FOREST □ swamp forest □ bog forest □ forest seep | | Fit= Conf= | | Saltwater | | |
| □ EMERGENT □ marsh □ wet meadow □ open bog | | Fit= Conf= | | Brackish | | |
| □ SHRUB □ shrub swamp □ tall sh. bog □ tall sh. fen | | Fit= Conf= | | Fresh | | |
| | | Fit= Conf= | | Upland (n/a) | | |
| MODIFIED NATURERESERVE CLASS* | | CODE (on separate form): | | LANDFORM TYPE*: | | |
| | | COMMUNITY NAME: | | | | |
| | | | | | | |
| HOMOGENEITY | | Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.) | | | | |
| | | <input type="checkbox"/> Homogeneous <input type="checkbox"/> Compositional trend across the plot <input type="checkbox"/> Conspicuous inclusions <input type="checkbox"/> Irregular/pattern mosaic | | | | |

Park in area were Hinkle Rd dead ends
lots of Thorns and Grass here

() ()