| CLEVELAND METR | OPARKS Plant Community Asse | ssment Program: Quality Control Form | Cleveland Metroparks | 4. |
|----------------|-----------------------------|--------------------------------------|----------------------|-----|
| Project Label: | PCAP | Plot No: 135 Date Sampled: | 5-24-13 Lead: Lacer | den |

Comment required if item answer is NO Parking/Access outside of Park Boundaries: [N] If yes, write details in Comments section below Field journals completed Site sketch made on 1:3000 map? Ν Check cover page X-axis Bearing of plot recorded Ν GPS coords. Recorded Ν North direction recorded Ν Photographs taken? N Plot No., Date agreement on all pages? N Header data completed all pages? N Cover classes recorded in all Intensive modules N Browse Level By Species N Woody stem quality control check B N Invasive plant quality control check N Ash trees mapped Cover by Strata? (confirm cover type) N Soil samples collected with matching plot #. N Vouchers labeled on datasheet with initials and number N \odot Vouchers labeled on collection bag N N Remote area Pink flags removed Data sheet QA before leaving site? N Common equipment returned to tub. N Data sheets scanned? Enter date to left A Final data sheets scanned? Enter date to left Buffer Widths measured? AL 6-20-13 AB 6/28/13 Web Soil Survey $N \subset \mathcal{N}$ Voucher Location Refrigerator N # vouchers collected) Press (#) Enter number to left Drier Y N ldentified Y N Mounted Y N Thrown away N

| to∕ Yes | Original GRTS point is sampleable |
|---------|---|
| □ No | Original GRTS point lands in a non-sampleable area (fill in category below) |
| | □ Point falls in a water (i.e. river, lake) |
| | ☐ Managed mowed area (i.e. golf course, picnic area, right-of-way) |
| | ☐ Paved area (i.e. parkinglot, road) |
| | ☐ Unsafe to sample (i.e. steep slope) |
| | □ Other |

Park off of Alexander Rd at the Metroparks Serving Summit County Bike trail parlung lot.



Minimum required fields in Bold and Underlined Authority: TAXONOMIC STANDARD Very thorough TAXONOMIC ACCURACY SAMPLING QUALITY* /ascul □ Accurate Effort Level: PLOT NOT SAMPLED: ** Roles: Co-lender, Asst., Guide, Owner, Taxonomist, etc. Hurried CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Date (mm/dd/yyyy): 6 /24/(3 Plot No.: 1315 Plot Name: 1315 Goodsucker GENERAL INFORMATION nd date (if > 1 day) roject Name: Ol Be 2013 W roject Label: PCAP Level 4 (no nested corners sampled) Level 5 (nested corners sampled) high hesla G&C modera. may still provide good how much effort put into sampling. Hurried plots subjective evaluation of Pub Date: low Woods stons Role** Plot leader not smp □ Safety a Other n/a 1998 □ Systematic (grid) □ Capture specific feature □ Other ☐ Random ☐ Stratified Random ☐ Transect component Plot placement: To GRTS Photo Nos.: 23/8 Camera No.: 5 *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide Depth: (1-5): 4 ntensive modules: 2, 3, 8, 9 Plot size for cover data: O. GPS File Name: 430 1315 GPS location in plot x=0 to 5, y=-1,0,+1) Coord. Accuracy: 'b m o ft Datum: ■NAD83/WGS84 □NAD27 ■ Lat/Long □ UTM □ StatePlane Coordinate system: Source of coordinates

MAP If data not public why? Reason: □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m Check one: TPublic data Drivate Data Summit County bixe trail Local Place Names: Metroparks sours Quadrangle: Northfeld LOCATION Data Confidentiality: andowner: (MP X-axis Bearing of plot: y = 0 (base of plot x=0, y=0) 208 75 183 County: Long haga □ Representative ■ deg 🗆 deg min Coord. Units ■ GPS 文 S EDIT IF MODIFIED Population, Sussafras, Lindendin telepitera of dominantly Acr volva. included, four shoots product brown vigotation, visibility + 90 m below 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 Diagram Plot origin GPS location photo taken.

Key: (0,0) point point with direction into woods on bootly (Steep). 150 m. into faint Veg Characte 2ation Very boused, 1416 Rationale GKTS point bike-ports for a 550 m, then turned down bike-trail by off Alexander Rd., who I Ked S. on Location: Parked @ Metroparks-servay-summit-Co. Layout: 2×5 #10 <u>#</u> dops houting stand News #2 #8 with Quarcus Robins # #7 location of permanent posts (B) Glareland Metropart Page 1 of 2 OVER #5 #5

| CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet Project Name: 0/90/3 | munity Assessment Pr | rogram - Backgrou Project Name | ind Data Sheet: 0/90/3 | Plot No.: | 1315 | Page 2 of 2 |
|--|--|-----------------------------------|----------------------------------|--|--|------------------|
| | | | DISTURBANCES | ES | | |
| MODIFIED NATURESERVE CLASS* | | | tyne* severity** | * yrs ago % of plot | t description | |
| CODE (on separate form): | | | +- | | Doer hanting | , diash |
| 41014 | | | Natural | | r. | |
| 3 | | | TI CITY | 452 | いながっ | SAG |
| COMMUNITY NAME: | L was land | | Cut VH | 250 100 | 6 Har est | -40E 13 |
| (200) Maple thickers + wooding | A MOOOR + STA | | Animal X | 00/ 0 / | Degibrouse | >0.dr |
| | | | Other | | The state of the s | high |
| HOMOGENEITY | | | **L=low, ML=med | **L=low, ML=med low, M=med, MH=med high, H=nigh, Vn-vciy ingin | d high, H=nigh, Vr. | -vciy iligii |
| | Compositional trend across the plot | | Current Land Use: | - 1 | | |
| Conspicuous inclusions | n mosaic | | Former Land Use: | Chrools | | |
| | HYBROLOGIC REGIME* | GIME* | | | | |
| | Supland (seldom flooded) | | n Intermittently flooded | | | |
| SALINITY* | n Intermittently/seasonally saturated | | □ Semipermanently flooded | | | |
| D Saltwater | (seldom flooded) | | □ Permanently flooded | | | |
| Drackish | ☐ Permanently/Semipermanent. saturated | | ☐ Tidal/Seiche flooded daily | | | |
| T Fresh | (dry <1/yr, seldom flooded) | | ☐ Tidal/Seiche flooded monthly | nhly – | | |
| Charlend (I/a) | □ Occasionally flooded (<1/yr) | | □ Tidal/Seiche flooded irregular | utar | | |
| | ☐ Temporarily flooded | ə) | (e.g. wind, storms) | | | |
| (by default unless plot is a wetland) | | u Un | n Unknown | | | 7 |
| Additional notes & diagrams: (Representativen | ness of plot to the stand, succe | ssional status, maturity, | etc.) bast in | tro piot | 40 BirBy -1 | soting to make |
| 16 bite trail, found or | اراع الهدر دس | buit, milk | crates, bung | So Cheid | Ohpering of | baccol containty |
| 72.3 Shells of allow 5. | plat vory | ropilsoutative | of stand | , only a | ie vobon | いってなる。 |
| directions cloudy successional megle LSD yes ago. | 56665512-01 | myle 45 | 50 yrs ogo. |) | | |
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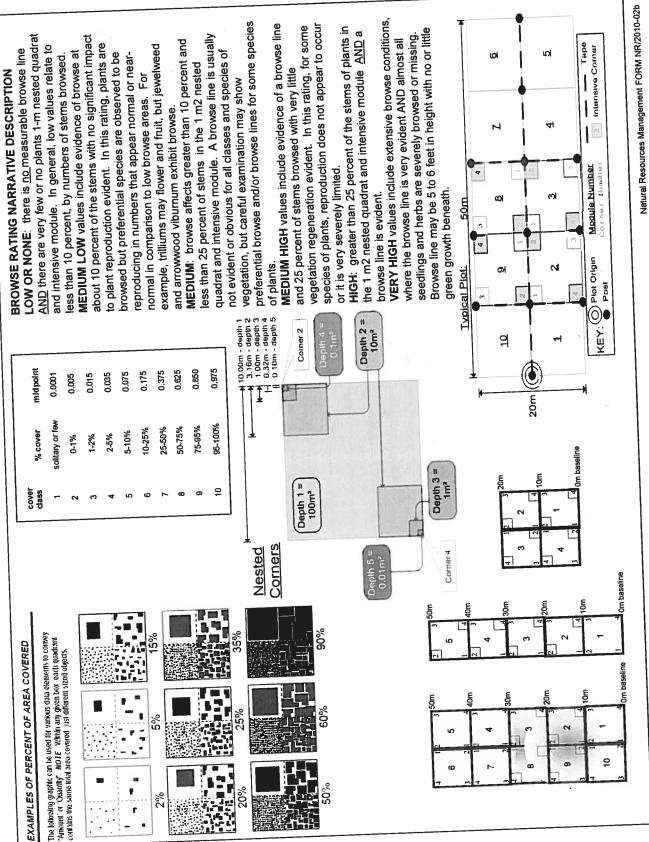
17 made 1/19/2013

Cieveland Matroparks Strata - Cov. entire plot CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Total modules: Project Label: S H (F)(A) Br BERBERTS Grade On Kuszer Mr. sarma Acer potosa rubrum Ju knows raxins sp. 4020 mount Timus sp. C405 14Xinus describe amount of browse per species over addendon Br = Browse Level. Use cover classes to allaghpulonsis MULTELORI 50P d g. 20+2 (2009) (Soulling g:10+1 (874) Species THUMBERGE triphyllomusestriphy entire plot (critages) Rhomayou SAL YOUND Chispid JK-742 025 141 024 tal 023 %unveg. ground (bare soil) %unvegetated open water intensive module: Estimate for each Intensive modules: _ C5 2323333 (52319 %unveg. litter (bare litter) 18th 0225 (5 2322 8K6 37 Voucher # Project name: O/Bo 8013 %open water 4 흏 2 42 2 4 cov | depth cov depth NN N N + Plot configuration: 2X5 COV ş depth mod comer mod cov depth (3) 4 6 cov | depth Plot no .: 1315 8 COV depth F depth 3 24 F cov depth cov depth S F mod corner Plot area (ha): () ξģ Ş depth 2 Page _ 0 corner mod cov depth cov | depth COV COV comer mod depth depth

2aCM PCAP Species Cover Data sheet Page 1 of x_ver 3.xls last revised 5/29/2012 ceh

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Natural Resource Management FORM NR/2010-02a

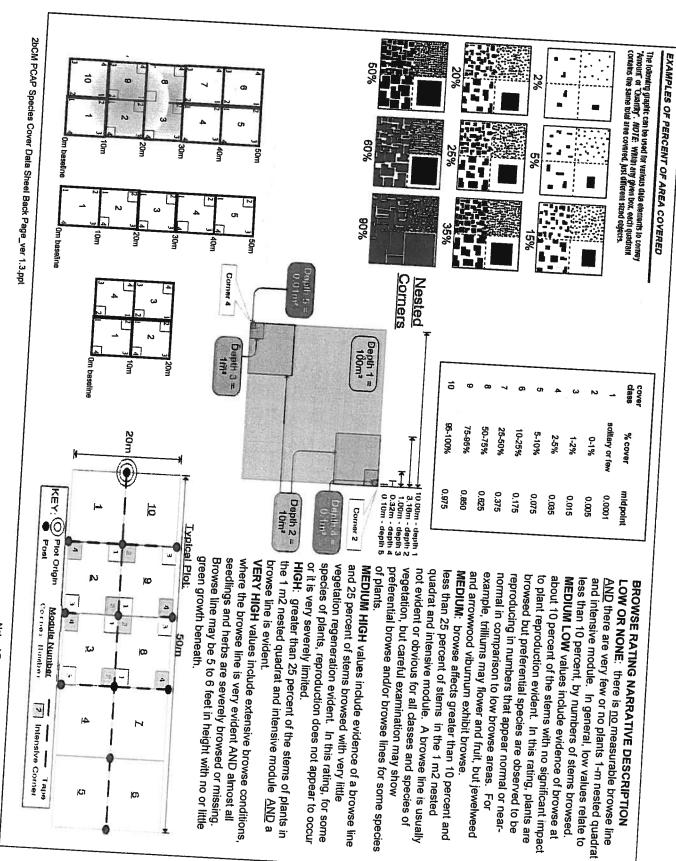


2bCM PCAP Species Cover Data Sheet Back Page_ver 1.3.ppt

6/28/13 CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Project Label: 4sual est, % open water entire site. Total modules: Cleveland Strata - Cov. entire plot T | S | H | (F)|(A)|Br Polygonum on Vad. of describe amount of browse per species over MO85 Br = Browse Level. Use cover classes to アアラストナナス 70x128RUD となるのとと Parthonocistus apinquotoin Losson HARVICENC ST WUS SP. 2087675 h Known Libara 17.8 Sh or:1810 NOX. Strata 00120in entire plot (508, Species (cood) :- a more : (SOP) (ina gracil voldars Ariata hioracifulia 1+8+ ma 1, cot 4 (500x) -9) (500 N 1 mm LOCKERS 20 Visual est. % unveg o.w. entire site. Intensive modules: ဂ Estimate for each intensive module: %unveg. ground (bare soil) %unvegetated open water %unveg. litter (bare litter) Project name: 0/5220/3 KH 087 141029 Voucher # 2726 S %open water 2327 026 depth depth cov | depth Ş Plot configuration: Pog - Visual est. %Invasives entire site: depth depth Plot no.: 13/5 cov depth COV COV depth mod corner depth cov | depth cov | depth Natural Resource Management FORM NR/2010-02a **∞** Plot area (ha): corner COV ő Q mg depth Page 2 of 3 corner COV cov | depth depth mod COV COV depth mod depth COV COV 7-30-13

2aCM PCAP Species Cover Data sheet Page 1 of x_ver 1.5.xls last revised 6/9/2011 jim

unsi.cana



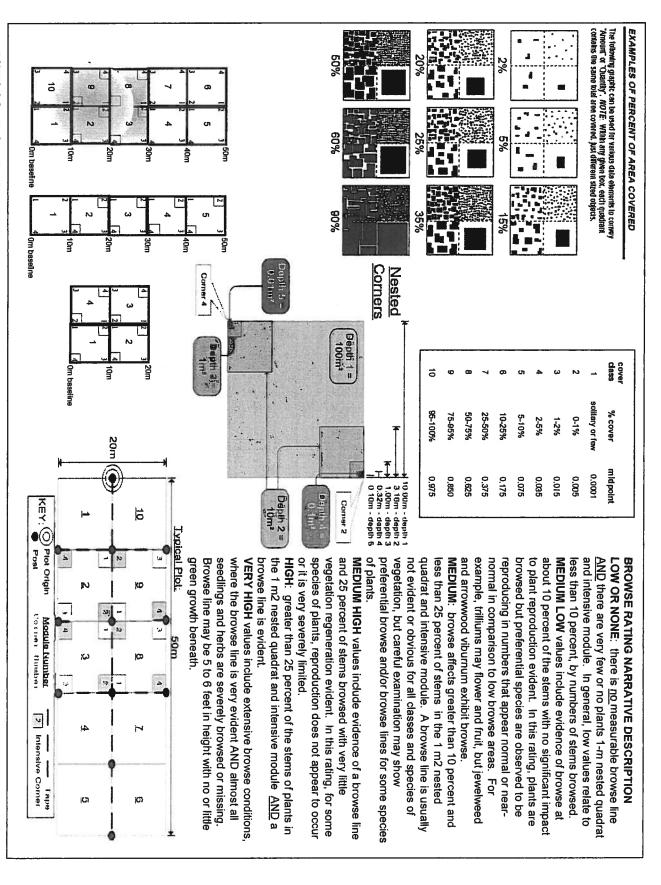
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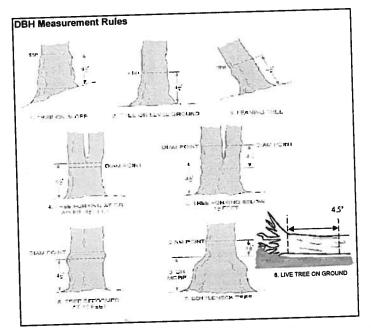
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| CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet | nent Program Specie | cover Data | Sheet | | | Page 2 | 4 | 1 |
|--|---|-----------------|------------------------------------|---------------------------------------|-----------------------|------------------|---------------|--------|
| Project Label: PCAP | Project name: (| 2000/2 | /3 Plot no : | 5./35 | | 1 | k | |
| | Intensive modules: | | figurati | 1. | Plot a | Plot area (ha): | | |
| Visual esi % open water entire elle: | Visual est. %unveg.o.w_entire-elte:- | | Visual est binvasives entire site: | sives entire site: | | | | |
| • | | Ш | | | | | | 11 |
| 9 | Estimate for each | mod corner mod | corner mod corner mod | comer | mod corner mod corner | mod comer mod co | corner mod co | corner |
| Br = Browse Level Use cover classes to | | depth cov depth | cov depth cov depth | cov depth | cov depth cov | depth cov depth | depth | ê ; |
| <u>a</u> | ater | | - | | | 1 CO | | 50 |
| Metroparka entire plot | %unvegetated open water | | | | | | | |
| | %unveg. ground (bare soll) | - | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | | VE. |
| Cov. entire plot | %unv | | | | | | 100 Sept. 12 | 16 |
| Species | c Voucher# | depth cov depth | cov depth cov d | depth cov depth c | cov depth cov | depih cov depih | | CDV |
| Tubus occidentalis | | | | | oumodi | | 70 | - |
| Vibrata Sontation | | | | | | | Ø | 1 |
| 2 Acer Soscharum | | | | | _ | | 7 | V |
| 1 Gove sp. | | | | | | がはいる | 75 | _ |
| lie Luchumus S.D. | | - | | | | | | |
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| ייין ייין רמיים: | Project Name: Ol Do 2015 Plot No | SUCION Plot No. 1 WIN | | Cleveland Metroparks |
|--|-------------------------------------|-----------------------------------|----------------------------------|-----------------------|
| Explain subsample (additional room on back). | | - 101 NO L | Page: | E |
| mod # Species | #stems %sub # 0-1.4m or super shrub | size class (cm) woody stems >1.4m | | |
| ac | DIOWSED Sample clumps 0-<1 | <5 5-<10 10 - <15 15 - | <20 20 <25, 25 <30 30 <35 35 <40 | >40 (record each tree |
| 1 Acer Rubium | | • | 0 | |
| 1 Quescus subora | | | | |
| 1 Haxinus annoulunica | • | | | |
| a Acer wown | | 0 | 2 | |
| 2 Shanding dead | | | | |
| 2 Cherus Cobra | | | | |
| - | | | | 46.9 |
| 2 Rosa moltiflora | • | | | |
| 2 | • | | | |
| 1- | | • | | |
| 100 | 0 18 | | • | |
| 3 Rubas sp | *** | | | |
| 11000 | | 0 | | |
| thanks and so | 9 | | • | |
| 1400 | | | | |
| 4 Limberdan delipitas | | | , | |
| | • | | | |
| 5 Linabendian tuling for | | | | |
| S Aleas substim | | • • | | |
| Stanling dead | | | 32.6 | |
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| しているのである。 | | | | |



Woody Stem Deer Browse

Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.

Record using the tally system from 1 to













ASH CANOPY CONDITION

- 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
- 4. >50% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead. sunlight, die naturally and are not considered.
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy (lowest branch) on the trunk.



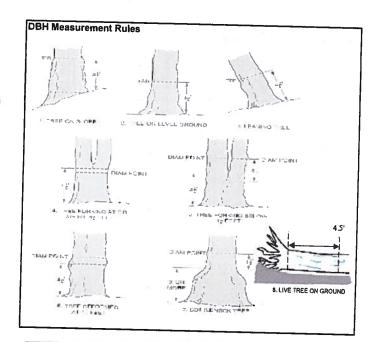
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ASH CANOPY BREAKUP CONDITION (for dead trees): (if an ash receives a score of 5 (dead) under canopy condition It must also receive a breakup condition rank as described below)

- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 6 6 ٥ 8 Ager subrum ō Explain subsample (additional room on back) Shanding duan Rosa MultiPluca Standing dead Fraxious So. Ages Sardyanum May ruson Litradurden Julipi fuz Francis SO Francis So hose multiflea Querus parlustris CHOSNES AS AROLL Sossadias albidam Evonymus ap Musel with Susschows allower hubs 50. tradude nepadani- 1 arch Lindera benzoin Acer school Aces (Josum Project Label: PCAP voucher# 0 0 # stems browsed 0-1.4m 0 . 9 or super % sub Project Name: 018e 2013 Plot No.: 1315 clumps shrub # size class (cm) woody stems >1.4m 0-<1 1-<2.5 2.5-<5 5-<10 10 - <15 0 € 15 - <20 20 - <25 Page 25 - <30 0 30 - <35 00 Wicieweiand Metroparks 35 - <40 ō >40 (record each tree) 32.5 B 45.9



Woody Stem Deer Browse

Record the number of stems/plants between 0.5-1.0 meters tall that exhibit evidence of this years deer browse.

Record using the tally system from 1 to







2







ASH CANOPY CONDITION

- 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: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.
- 5. Dead canopy: No leaves remain in the canopy portion of the tree. It still counts as a 5 even if there are epicormic sprouts below the canopy



С

D

E

ASH CANOPY BREAKUP CONDITION (for dead trees):

(if an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition rank as described below)

- A: All main branches contain fine twigs (newly dead).
- B: Over 50% of main branches have fine twigs.
- C: Less than 50% of main branches have fine twigs.
- D: Stem still standing and tertiary main branches present.
- E: Central stem still standing.

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Map all ash trees ≥10cm in each module using Tree ID number

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22

20

10

18 17 18

24

* 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)

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



| | | | | | | | | • |
|---------------------------------|--|---------------------------------------|------|----------|----------|--------------------|----------|--------------|
| Tier 1: Early detection | n/Rapid response | | | Pres | ence | | GPS | |
| | | | NE | SE | SW | NW | | Presence |
| Microstegium vimineum | Japanese stiltgrass | | | | \vdash | | | X: yes |
| Ranunculus ficaria | Lesser Celandine | | | | | | | |
| Cynanchum Iouiseae (vine |) Black Swallow-wort | | | | | 7. 1 | (JF) |] |
| Butomus umbellatus (wetlan | d) Flowering Rush | | | | | | | |
| Heracleum mantegazzianum | Giant Hogweed | | | | | | | |
| Tier 2: Assess | as Needed | | | # of | Plants | | comments | |
| | | | NE | SE | SW | NW | | # of Plants |
| Acer platanoides | Norway Maple | | | | <u> </u> | | * | 1: 1-10 |
| Ailanthus altissima | Tree of Heaven | | | | | | | 2: 11-50. |
| Lonicera japonica (vine |) Japanese Honeysuckl | e 7 | 1000 | | | | | 3: 51-100 |
| Lythrum salicaria (wetland |) Purple Loosestrife | | 915 | T | 67 | | | 4: 101-1,000 |
| Aegopodium podagraria (G-cove |) Bishop's Goutweed | 7.0 | | | | | e han | 5: >1,000 |
| Celastrus orbiculatus (vine | | | | | | | | |
| Torilis sp. | Hedgeparsley | | | | | | | |
| Conium maculatum | Poison Hemlock | | | | | | | |
| Rhamnus cathartica | Common Buckthorn | (shrub) | | 1 | | | |] |
| Berberis thunbergii | Japanese Barberry | (shrub) | 1 | 12 | 1 | 1 | | 1 |
| Alnus glutinosa | European Alder | | | | Τ' - | | □ | 1 |
| Dipsacus laciniatus | Cut-leaf Teasel | | | | | | 0.000 | 1 |
| Elaeagnus umbéllata | Autumn Olive | (shrub) | | 1 | l | | | 1 |
| Lonicera maackii | Amur Honeysuckle | (shrub) | | | A | ć | | 1 |
| Euonymus fortunei | Wintercreeper | , | | | 1 | | | |
| Tier 3: Presence | | 17 V. N. STATE | 1000 | # of | Plants | THE REAL PROPERTY. | comments | |
| | | | NE | SE | sw | NW | | # of Plants |
| Convallaria majalis (G-cove | r) Lily of the Valley | | | | | | | 1: 1-10 |
| Coronilla varia (G-cove | | | | | | | | 2: 11-50. |
| Eleutherococcus pentaphyllus | Five-leaf Aralia | (shrub) | | | | | - 10 | 3: 51-100 |
| | r) Japanese Pachysandr | a | | | | | | 4: 101-1,000 |
| Philadelphus coronarius | Mock Orange | (shrub) | | | | | | 5: >1,000 |
| | r) Lungwort | ` | | | | | | |
| Rubus phoenicolasius | Wineberry | | | | | | | |
| Iris pseudacorus (wetland | | | | | | | | 1 |
| Ornithogalum umbellatum | Star of Bethlehem | | | | | | | 100 |
| Viburnum opulus var. opulus | European Cranberry | (shrub) | | | 1 | | | 1 |
| Viburnum plicatum | Doublefile Viburnum | | | | | | | 1 |
| Tier 4: Widesprea | The second secon | | | Pre | ence | | comments | |
| | | | NE | SE | sw | NW | | Prevence V |
| Alliaria petiolata | Garlic Mustard | | | | la | 1 | | WWW V |
| Ligustrum vulgare | Common Privet | (shrub) | 2 | 2 | 1 | 34 | | |
| L. morrowii, L. tatarica | Bush Honeysuckles | (shrub) | 1 | \sqcap | П | | | 1 |
| Phalaris arundinacea | Reed Canarygrass | | | 4 | Ĺ | 5 | | 1 |
| Phragmites australis (wetland | | | | 1 | | T " | | 1 |
| Polygonum cuspidatum | Japanese Knotweed | | | \top | 1 | | | 1 |
| Frangula alnus | Glossy Buckthorn | (shrub) | 1 | 0 | 1 | у | | 1 |
| Rosa multiflora | Multiflora Rose | (shrub) | 3 | n T | a | 2 | | 1 |
| Typha angustifolia, T. x.glauca | Cattails (wetland) | | Ť | 1 | 134 | | | 1 |
| Cirsium arvense | Canada thistle | · · · · · · · · · · · · · · · · · · · | T | | | | | 1 |
| Dipsacus fullonum | Common Teasel | | | T | | | | 1 |
| Hesperis matronalis | Dame's Rocket | • | | 90 SO | | | | 1 |
| Vinca minor (G-cover | | | - | | | | | 1 |
| vinca minor (G-cover | I CHANIIKIE | -American | | | | | | , |

Note: For Ground-cover plants record "stem #" but in comment field describe # of colonies and patch size (S,M, L)

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface
Project Label: PCAP Project Name: つりのごうなうち

Plot No.: O LONG STATE

1315

(A) CINNAM IN IN MARKADO COMPANS

McNAB INDICES (degrees) + for up - for down [FILLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

Page: 1 of 1

| | | | | | | | | | | | | C? Corner Corner | | module. Required for VIBI-E score calculation. C?-check when | STANDING BIOMASS (required for emergent wetlands) collected |
|---|--|--|---|--|----------------------------|---------------------------------------|--|---|--------------------------------|------------|--|--|----------------|--|---|
| SHRUB is shrub swamp in tall sh. bog in tall sh fen | o FOREST o swamp torest o bog torest o torest survey of EMERGENT o marsh o wet meadow o open bog | Ohio EPA VIBLEIANI Community Cass Live Leaves Site | CONTRACTOR OF THE PROPERTY AND | BOG (strongly moderntely, weekly ombrotrophic) | COASTAL (specify subclass) | G FRINGING G Reservoir G Natural Lake | ☐ SLOPE (ground water hydrology or on a physical slop) | ORIVERINE OHendwater OMainstem OChannel | □ IMPOUNDMENT □ Beaver □ Human | DEPRESSION | Hydrogeomorphic class (WETLANDS ONLY): | (FIT = excellent, g Fit and Confidence | CLASSIFICATION | | |
| Fil= | 를 : | | NI.Y): | File | ₹ | 7 | | 1 | 7 | | | | | | |
| Conf= | Conf= | Conf= | | Conf= | Conf=_ | Conf=_ | Conf=_ | Conf=_ | Contra | Confi | | | | | |

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

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

- feature is absent or functionally absent from the wetland
- feature is present in the wetland in very small amounts or if more common, of tow quality feature is present in moderate amounts, but not of highest quality, or in small amounts of highest quality

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

| | 70 | | | | | |
|------------------------------|-----------|-------------|-------------------|----------|--------|----------|
| 000 | 70 | | | | | |
| 000 | 70 | | | | | |
| 000 | 706 | | | | 183 | |
| 000 | 46 | 1 | C | C | | إΩ |
| 200 | | P | 0 | C | | α |
| 0 | 500 | Ø | 0 | 0 | | b |
| 3 | · · | C | C | 0 | | 12 |
| (count) (count) (rank) | (count) | (count) | (count) | (count) | corner | mod# |
| | 10x10m | 10x10m | 3 16x3 16m | lxim | | |
| 1 | depth 1 | depth 1 | depth 2 | depth 3 | | |
| | | | uplands (Tip-Ups) | | | |
| (12-40cm) >40 cm interspers. | (2-12 cm) | depressions | hummocks | tussocks | | |
| c.w.d e.w.d microhab. | cwd | no. macro. | no. of | no. of | | |

CROWN COVER (DENSIONETER) Make 4 readings per module facing N. S. E. W. Place dol count corresonding space (4 dots per grid square)

Landform index (position within landscape) Ferrain Shape Index (site microtopographic shape)

+315 degrees

¥ € SW

+180 degrees

+135 degrees

+90 degree +45 degrees At aspect

local slopes For TSI mensure horizon TSI is

angles torned by

LFI is angle of plot to the

+225 degrees

+270 degrees

ie.ue eve of person recorders eve to angle from

standing ~10 m

| 8 0 | 3 | 1.5 | Mod | r |
|------------|----|--|------|---|
| | | | ē | |
| 8 | 23 | 124781 | Z | |
| ī | ī | 28.0 | s | |
| 25 | 19 | 74 | m | |
| 10 | 5 | ŭ | S. | |
| | + | | 25.0 | 14 19 14 19 14 14 14 19 19 19 19 19 19 19 19 19 19 19 19 19 |

| D Q | # / | d S | 74. |
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| 12 4 | 13 55 | 正元 | 13 |
| | 23 77 | 1 | 1 |
| 20 | = 0 | ات و | 5. 5 |
| | ` | | l |

NOTE: tussock and hummocks are counted in BOTH nested quadrat corners but counts are aggregated. SaCM PCAP Plant Cover_Earth Surface Date shout Page 1_ver 3.xts last revised 5/28/2012 ceh # 非在其其 是 美美美美

Natural Resources Mangement FORM NR/2010-05a

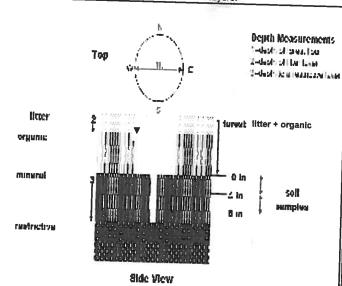
5282012000



| STRATUM | GENERAL FORM |
|------------------------------|---|
| Tree (generally >5 m) | Tree (overstory), very tall shrubs*, liana, epiphyte) |
| Shrub (generally 0.5 to 5 m) | Tree (sapling), shrub, liana, epiphyte) |
| Herb (Field) | Herb, dwarf-shrub**, tree (seedling***) |
| Floating | Floating |
| Aquatic (submerged) | Submerged |

"Very tall shrubs are sometimes included in the tree stratum
""Can also include seedlings of shrubs, i.e. all shrubs <0.5m

***Tree seedlings are often defined as up to 1.4 m height or as <2.5 cm DBH in which case they would span the herb and shrub layers.



| - | | | - | |
|--------------|---------------------|------|--|---|
| | LOWER PENNSYLVANIAN | | A CONTRACTOR OF THE PROPERTY OF THE PARTY OF | Pottsvil∫e Group* |
| | | | Logan Formation* | Vinton Sandstone Member Allensville Conglomerate Member Byer Sandstone Member Berne Conglomerate Member |
| | MISSISSIPPAN | | Cuyahogu Formadon* | numerous named members: Black Hand Sandstone Member is one of the more persis tent units |
| Ш | | | | Sunbury Shale* |
| | | | | Berea Sandstone* |
| | 2 | | | Bedford Shale* |
| | NAN | | 8 | Cleveland Member |
| יטיניטי משמי | OFFER DEVONIAN | | Ohio Shale | Chagrin Member* |
| | | | | Huron Member |

FIGURE 3-20—Generalized section of Upper Devonian, Missistippian, and Lower Pennsylvanian formations in northeastern Onto. Asterisks indicate units that are feesihferous. This composite section represents about 400 meters of rock exposed across the area. The section is not to scale, but the chickinesses indicated are proportional. The term "Waverly is used in the older literature to refer to Missistippian rocks in Ohio. Some geologists use the European term "Carbonnierous," which earompasses the Missistippian and Pennsylvanian Periods of the U.S. Many units have been named within the Cuyahoga Formation, but most units are local and cannot be traced over great distances. The Black Hand Member is a spectacular massive sandstone that is fartly widespread out discontinuous. See Hyde (1953). Howev (1960), and Collins (1979) for more information on Mississippian rocks in Ohio. See figure 3-16 for explanation of rock types.

CLEVELAND METROPARKS Plant Community Assessment Program - Solls, Crown Cover, Standing Biomass Data Sheet 6a Project label: PCAP Project Name: 01200

(Cacrotaind & thousand

Page: 1 of 1

No trails

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

5 cm Soll pit module # 20 cm matrix color 254 3/3 matrix color mottle color Vane hydr cond *** redox features** exture* oxid roots mottle redox features** xid roots mottle ottle color (one per entire plot) 2,543 \odot ~ S(M) D 2 \mathbb{Z} z (z

refer to texture classes on reverse side 1 S M D

hydro cond ***

** e.g. hydrogen sulfide odor, gleving, etc. Circle one:

Notes: include evidence of earthworms (worms, I=indundated S=saturated M=moist D=dry

NO WITCH

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 Series Type: Mitinginga 5:14 loam Soil Collection Module Horizon (A, B, C) Depth to rest. Layer: 20 to 40 in. to bedrock Soil Series Source: Ohio Soil Survey 2,3,8,9 composited Parent Material: andform type: Lake Plains

D Well drained D Excessively dr. Somewhat poorly dr. Somewhat excessively Moderately well dr. a Very poorly dr.

Impermeable surface AB 6/28/13

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

| 4 | 00 | (v) | ٦ | mod# |
|-----|-------------|-----|----------|------------------------------------|
| 2,5 | 5.7 | 29 | 3.5 | l litter+ organic depth (cm) |
| 2.5 | 1.5 | 12 | કું છ | 2 litter depth (cm) |
| 0 | 0 | 0 | G | water depth |
| Š | 3 36 | *S | 50 | depth sat soil (cm) |

| **** <5 cm in diameter | *** >5 cm in diameter | **Boulder = > 10 in | * Gravel-Cobble = 1/16-10" | Y Bedrock | Boulder** | Gravel-Cobble* | Mineral Soil | Histosol | (Zum = 100%) | Underlying Earth Surface* | EARTH SURFACE & GROUND COVER |
|------------------------|-----------------------|---------------------|----------------------------|-------------------|---------------------|----------------|-----------------------|------------------------|---------------|---------------------------|------------------------------|
| meter | neter | in | · 1/16-10" | O | 0 | 0 | 100 | 0 | percent | Surface* | E & GROUN |
| Other | Road/Trail | Bare Soil | Water | Bryophyte- Lichen | Duff (Ferm + Humus) | Litter | Fine Woody Debris**** | Coarse Woody Debris*** | (Euch ≤ 100%) | Ground Cover | ID COVER |
| | 0 | نا | 0 | 1% | 0 | 33 | 25 | 15 | percent | | |

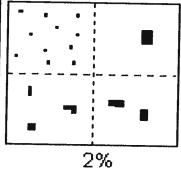
| COVER BY STRATA | COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13 | ex:3, 8, 13 |
|-----------------|---|---|
| Strata | Height Range (m) | Total Cover (%) |
| Tree | 24 | 88 |
| Shrub | ,5.5 | 3 |
| Herb | 500 | j3 |
| (Floating)* | • | |
| (Aquatic)* | • | |
| rooted and fl | rooted and floating or slightly emersed | rsed |
| ** submersed, | ** submersed, most plant mass below surface | ow surface |
| SEE BACK O | SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY CO | SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE. |

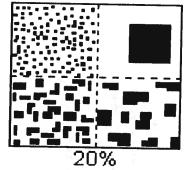
| TRAIL INFORMATION: | |
|--------------------------------|--------|
| recard type and cover for each | each |
| Туре | %Cover |
| □ All Purpose | |
| ⊕ Bridle | |
| □ Hiking sanctioned | |
| Bootleg unsanctioned | |
| ם Gravel | |
| n Deer | |

STAND SIZE 3-10 x plot size 10-100 x plot size ⇒ 100 x plot size >600 x plot size < plot size 1-3 x plot size

A

PERCENT MOTTLES (USE CLASS CODES): Class Code Criteria: % of Conv. **NASIS** Surface Area Covered Few < 2 Common C # 2 to < 20Many m ≥ 20





SOIL 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 self-supporting ribbon. Samples which form 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.

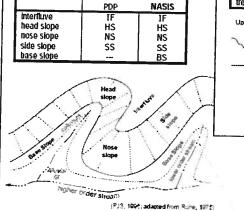
- 0= Organic
- 1= Loamy
- 2= Clayey
- 3= Sandy
- 4= Coarse Sand
- 9= Not measured make plot note

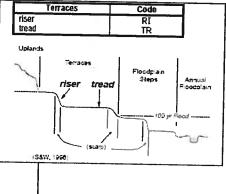
Position

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains

e.g., (for Hills) nose slope or NS.

Hills





Hillslope - Profile Position (Hillslope Position in PDP) - Twodimensional descriptors of parts of line segments (i.e., slope position) along a transect that runs up and down the slope; e.g., backslope or BS. This is best applied to transects or points, not areas.

Code

| shoulder backslope footslope toeslope | SH BS FS TS | | |
|--|----------------------|----------|---------|
| Su Sh | Fs Ts / Starte | Sh Es | Su I |
| P. 3, 1998, scatted trees Runs, 19 | Albuvium | | |

HYDROLOGIC REGIME Modified from Grossman et al 1998. (Frequency and duration of flooding.) UPLAND: Not a wetland. Very rarely flooded.

INTERMITTENTLY/SEASONALLY SATURATED: Dry at least once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season.

PERMANENTLY/SEMIPERMANENTLY SATURATED: Dry less than once per year. Surface water is seldom present, but substrate is saturated to surface for extended periods during the growing season . Equivalent to Cowardin's Saturated modifier.

OCCASIONALLY FLOODED: Surface water can be present for brief periods during growing season , but not in most years. Often characterizes flood-plain upper terraces.

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary modifier.

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms . This modifier was 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 the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier.

SEMIPERMANENTLY FLOODED (exposed <1/year): Surface water persists throughout the growing season in most years. Land surface is normally saturated when water level drops below soil surface. Includes Cowardin's Intermittently Exposed and Semipermanently Flooded modifiers.

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

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

| | | 97 | 11 | | | | FOR | M B-1: | BUFFE | ER S | SAN | IPLE | PL | OTS | (Fro | ont) | F | leview | ed by (| Initial): | | - (| |
|-------------------------------|-------------------------------|------------------|-------------------|--------|-----------------|-----------------|----------------|---------------------------------|--------------------------|--------------------|--------|----------|---------------------------|------------|----------|-----------------------|-------------------------------|--------|---------|--------------|----------------|----------|------------|
| Site I | D : F | C | 1P | B | ٤ | 13 | | | | | | | | 0 | ATE: | 0.6 | 124 | | 2 | 0. | 13 |) | |
| Location | | | | | TU | | | | FIJI | in b | ubb | le(s) | f plo | ot(s) | coul | d not be | sample | d a | nd fl | ag – | → | | |
| OAAC | | 0 | N | 0 | S | OE | | W | 1/1 | lot 1 | | | lot 2 | | O PI | ot 3 | | | | | | | |
| | | | | | | | | | Buffer I | _ | _ | | | 1 | eaf Ah | sent: No tre | e canopy. | | | | | | |
| ill in bubble trata Sectio | s for all th on: Fill in a | at app approp | iy: Ca riate c | nopy o | Type: lass t | D = Do ubble | for each | E = Evergree strata type for | r each plot | ype. 6 1. 0 = / | Absen | t; 1 = S | arse(< | :10%) | ; 2=Mod | erate(10-40 | | | | | | | |
| Buffer | Canopy | у Тур | e: (|) (|) Al | sent | : 0 | Buffer | Canopy | / Тур | e: 🕝 | 0 | Abs | ent: | 6 | Buffer | Canopy | | _= | $\vee \odot$ | Abs | | -~ |
| Plot 1 | Lea | f Typ | e: (|) C | | | Flag | Plot 2 | Leaf | f Typ | e: 🕑 | <u> </u> | | | Flag | Plot 3 | | | | Θ | | | Flag |
| Big Trees (> | 0.3m DBH) | 0 | 0 | 0 | | 0 | | Big Trees (> | 0.3m DBH) | (b) | 0 | 0 | <u> </u> | <u> </u> | \perp | Big Trees | (>0.3m DBH) | | 0 | 의 | - + | 읫 | |
| nall Trees (| :0.3m DBH | 0 | 0 | 0 | | 0 | | Small Trees (| <0.3m DBH) | 0 | 0 | 0 | <u> </u> | <u> </u> | | | (<0.3m DBH) | - | 0 | 9 | =+ | <u></u> | |
| loody Shrub | s, Saplings -5m HIGH) | • | 0 | 0 | 0 | 0 | | Woody Shrubs (0.5m | s, Saplings -5m HIGH) | 0, | 0 | 0 | <u> </u> | <u> </u> | | (0. | rubs, Saplings 5m-5m HIGH) | 0 | | 0 | | <u> </u> | |
| Voody Shrub | s, Saplings | 0 | 0 | 0 | 0 | 0 | | Woody Shrubs | s, Saplings .5m HIGH) | 夏 | | 0 | $\overline{\mathfrak{O}}$ | ⊙ | | | ubs, Saplings (<0.5m HIGH) | 0 | 0 | 0 | - + | 0 | |
| | .5m HIGH) orbs and | 6 | Ö | 0 | 0 | 0 | | | orbs and Grasses | 0 | 0 | 0 | 0 (| | | Herbs | s, Forbs and Grasses | 0 | 0 | 9 | <u> </u> | <u> </u> | |
| Bare | Grasses ground | 1 | ŏ | 0 | 0 | Ŏ | | Bare | ground | 0 | 0 | 0 | 0 0 | 1 | | Ва | are ground | 0 | 1 | 0 | \odot | \odot | |
| | ter, duff | 1 | 0 | | 0 | 0 | | | tter, duff | 0 | 0 | 0 | 0 | <u></u> | | | Litter, duff | 0 | • | 0 | 0 | 0 | |
| | | ₩ | +=- | += | += | += | | | Rock | 0 | 0 | 0 | | ঠা | | | Rock | 0 | 0 | 0 | 0 | 0 | |
| | Rock | 18 | 0 | 0 | 0 | 0 | | | Water | 9 | 6 | 0 | _ | ŏ | \dashv | | Water | 0 | 0 | 0 | 0 | 0 | |
| | Water | - | 0 | 10 | 0 | 10 | | S | ubmerged | - | += | 131 | <u> </u> | 허 | | | Submerged | | 0 | 0 | 0 | <u></u> | |
| | | I USANGE | 0 | 10 | 0 | 10 | | ١ | /enetation | | 0 | 0 | 010 | \smile 1 | milled | hubble inc | Vegetation | | \perp | | | bie. | (3/) |
| | | | _ | | | | | a filled data | | | | | e and | ant | IIIIIIII | Dubble IIIc | Agricult | ural | & R | urai S | tress | iors | |
| Res | identia | l and | Urk | an S | tres | sors | | | Hydrolo | | - | 1. | _ 1 | | Slaa | Elli bubb | ie If prese | _ | - | 1 | 2 | 3 | Flag |
| FIII bubbl | e if pres | sent - | Plot | 1 | 2 | 3 | Flag | Fill bubble if present - Plot | | | | 1 | 2 | 3 | Flag | | | | - | 0 | 0 | 0 | |
| Road - g | ravei | | | 0 | 0 | 0 | | Ditches, C | | | | 0 | 9 | 9 | | Pasture/Hay | | | 0 | 0 | 0 | | |
| Road - tv | vo lane | | | 0 | 0 | 0 | | (IMPEDE FLO | OW) | | | 10 | 0 | 0 | | Range | | | | 0 | 0 | 0 | |
| Road - fo | our lane | | | 0 | 0 | 0 | | Water Lev | | - | uctur | + | 0 | 0 | | Row Crop | eld (RECENT | -REST | ring | 8 | 0 | 0 | |
| Parking I | Lot/Pave | ment | | 0 | C | 0 | | Excavatio | n, Dredg | ing | | 0 | 0 | 0 | | ROW CROP F | | - | | 0 | 0 | ö | <u> </u> |
| Golf Cou | rse | | | 0 | C | 0 | | Fill/Spoil I | | Cad | mont | 0 | 0 | 0 | | SHRUBS, T | | | _ | + | 0 | ö | - - |
| Lawn/Pa | rk | | | 0 | C | 0 | <u> </u> | Freshly D | (TED) | | | + | 0 | 0 | | Nursery | | _ | _ | 0 | 0 | 0 | |
| Suburba | n Reside | ential | | 0 | C | 0 | | Soil Loss | Root Exp | posui | re | 0 | 0 | 0 | | Dairy | | 0070 | - | 18 | - | 0 | |
| Urban/M | ultifamily | / | | 0 | C | | <u> </u> | Wall/Ripr | ар | | | 0 | 0 | 0 | - | Orchard | | - alla | | 0 | 9 | | - |
| Landfili | 11-11-11 | | | C | C | 0 | | iniets, Ou | | | | 10 | 0 | 0 | | | Animal Fe | eain | 9 | 10 | 읝 | 00 | |
| Dumping |) | | | C |) C |) C | <u> </u> | Point Sou (EFFLUENT | OR STORM | WWAT | ER) | 10 | 0 | 0 | | | esidential | _ | _ | 0 | 0 | _ | |
| Trash | | | | C | | | | (SHEETFLO | us surrac (W) | e inp | UL | 0 | 0 | 0 | | Gravel P | - | _ | _ | 0 | 0 | 0 | |
| Other: | | | | _ c | | C | | Other: | | | | - 0 | 0 | 0 | <u> </u> | Irrigation | | _ | _ | 0 | 0 | 0 | _ |
| Other: | | 100 | | c | | | | Other: | | | | _ 0 | 0 | 0 | | Other: | | | - | 10 | 0 | 0 | |
| Ind | ustrial | Deve | elop | ment | Str | 9880 | rs | | | | | | Habi | tat/V | egeta | tion Stre | essors | | | | | | |
| FIII bubl | | _ | _ | - | 1 2 | _ | Flag | Fill bubbl | le If pres | ent - | Plot | 1 | 2 | 3 | Flag | FIII bu | bble If pre | sent | - Plo | t 1 | 2 | 3 | Flag |
| Oil Drilli | | | | 1 | 0 | 0 | | Forest Cie | ear Cut | | | 0 | 0 | 0 | | Herbicide | e Use | | | 0 | 0 | 0 | - |
| Gas We | elis | | | 10 | _ | | | Forest Se | lective C | ut | | 0 | 0 | 0 | | Mowing/ | Shrub Cutt | ing | | 0 | 0 | 0 | |
| Mine (s | urface) | | 1 | 1 | 5 | 0 | | Tree Plan | tation | | | 0 | 0 | 0 | | Trails | | | | 0 | 0 | 0 | _ |
| | | ınd) | | _ | 0 | | | Tree Can | opy Herb | ivory | | 0 | 0 | 0 | | Soil Con (ANIMAL O | npaction R HUMAN) | | | 0 | 0 | 0 | _ |
| Military | | | | _ | | | | Shrub Lay | yer Brows | sed | | 0 | 0 | 0 | | | vehicle dar | | | 0 | + | 0 | 1 |
| _ | - | | - | _ | | - | + | Highly Gr | azed Gra | sses | | 10 | 0 | 0 | | Soil eros | sion (FROM \ JSE) | VIND, | WATE | O | 0 | 0 | 1 |
| | | | _ | | - | | | Recently | Burned F | ores | t | 0 | + | + | | Other: | | | | _ 0 | 0 | 0 |) |
| Other: | | 100 | | 1000 | \rightarrow | _ | +- | Recently | | Grass | iand | 10 | +- | _ | 1 | Other: | | | | C | 0 | 0 | , |
| Other: | | | | 1 | | | | (BLACKENE | (D) | | | | | | signed | | id crew. | | | 281 | | | |
| • | ther: | | | | E | xplain a | i flags in con | nment sec | ction | on the | back o | f this | form | | | | | 24 | 201 | | | | |

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|--|--------------------------------|-------------------------------------|--------------------------|--|--|------------------------------|---------|---|---|--|---------------------------|--------|---------------------------|--------------|
| @ Confirm | a fili | ed da | ita bi | ıbbie iı | ndicates presence and an unf | illed | bubb | ie inc | dicates | absence by filling in this bub | bie | | | |
| Fill bubble if present - Piot | 1 | 2 | 3 | Flag | Fili bubble if present - Plot | 1 | 2 | 3 | Flag | Fili bubble if present - Piot | 1 | 2 | 3 | Flag |
| Eurasian Watermilfoil | 0 | 0 | 0 | | Purple Loosestrife | 0 | 0 | 0 | | Johnson Grass | 0 | 0 | 0 | |
| Water hyacinth | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 0 | 0 | 0 | |
| Yellow Floating Heart | 0 | 0 | 0 | | Japanese Knotweed | 0 | 0 | 0 | | Multiflora Rose | 0 | 0 | 0 | |
| Giant Salvinia | 0 | 0 | 0 | | Perennial Pepperweed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| Garlic Mustard | 0 | 0 | 0 | | Giant Reed | 0 | 0 | 0 | | Himalayan Blackberry | 0 | 0 | 0 | |
| Poison Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | 0 | | Tamarisk | 0 | 0 | 0 | |
| Mile-A-Minute Weed | 0 | 0 | 0 | 1 | Reed Canary Grass | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Birdsfoot Trefoil | 0 | 0 | 0 | V | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Canada Thistle | 0 | 0 | 0 | | Leafy Spurge | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| | | | | | | | | | | Other: | 0 | 0 | o | |
| | | | | | DI OT COOPE | NIAIA | TES | | 111 | | | 7 | | |
| If Buffer Plot 3 can not be ac Plots are centered on the Bu flag box, and describe where | cesse fer Tr the conte | d, tak ranse cordii r of P | ce the cts an ates lot 3 | e coordi nd the d were to as poss | inates at the nearest practicable coordinates will indicate the local aken and why in the comment sible or at the center of the last | Buffee local ation of access | er Trai | LONG trans w. Tr Buffe | G THE sect. Fil ne coor er Plot. | r the Buffer Plot at the AA CENT TRANSECT. This is important be I in the "nearest practicable local dinates of the nearest practicable and comment below) | ecau | se all | Buffe | er in the |
| If Buffer Plot 3 can not be ac Plots are centered on the Buflag box, and describe where either placed as close to the Location of coordinate O AA CENTER O N | cesse ffer Tri the conte | d, takeranse coording of P | ke the cts amates lot 3 | e appro e coordi nd the c were to as poss ne): | Plot (#3) at the far end of each opriate bubble. inates at the nearest practicable coordinates will indicate the locate and why in the comment sible or at the center of the last W3 O Nearest practicable | Buffer local access cticals | er Trai | LONG trans w. Tr Buffe cation | G THE sect. Fill the coorer Plot. | TRANSECT. This is important but in the "nearest practicable local dinates of the nearest practicable local dinates of t | ecau ition" le loca | se all | Buffe e, fill can b | er in the |
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05/27/2011

Buffer Sample Points - Targeted Alien Species

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| Big Trees (> | 0.3m DBH) | 0 | 0 | 0 | | <u> </u> | | Big Trees (| >0.3m DBH) | 0 | 0 | - | | | -+ | | (>0.3m DBH) | 엙 | | <u>~+</u> ` | | - | \dashv |
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| Bare | ground | 10 | | 0 | 0 | 0 | | Bar | re ground | 0 | 0 | 2 | 3 (| <u> </u> | | Ba | re ground | 0 | | | | 의_ | |
| | ter, duff | += | Ö | 0 | Ō | | | L | itter, duff | 0 | 0 | 0 | D | | | | Litter, duff | 0 | 0 | | - | <u> </u> | |
| | Rock | - | 0 | 0 | $\overset{\circ}{\odot}$ | 0 | | | Rock | 0 | 0 | 0 | 3 (| 5 | | | Rock | 0 | 0 | | <u> </u> | <u> </u> | |
| | Water | - | 6 | 0 | | 0 | | | Water | 0 | | | ① (| <u> </u> | | | Water | 0 | 0 | | \odot | <u> </u> | |
| S | ubmerged | 9 | += | | | $\frac{\circ}{\circ}$ | | | Submerged | (4) | 0 | 0 | 3 | 5 | | - | Submerged Vegetation | | 0 | 0 | 0 0 | <u> </u> | |
| | | | 0 | 0 | 0 | Confi | m that | a filled dat | Vegetation | indic | | resenc | | an u | nfilled | bubble inc | licates abse | nce | by fill | ng this | bubb | le. | |
| | | | | | | | | a mied da | Hydrole | | | | | gurt . | | ryan in a | Agricult | ural | & Ru | ral S | ress | ors | |
| | identia | | - | an S | T | | | Em bucks | | | | 1 | 2 | 3 | Flag | Fili bubb | | _ | _ | 1 | 2 | 3 | Fiag |
| Fill bubbi | e if pres | sent - | Piot | 1 | 2 | 3 | Flag | | ole if pres | | | | | o | 15 | g Fili bubble If present - Piot Pasture/Hay | | | 0 | 0 | o | | |
| Road - gr | ravel | | 70 | 10 | 0 | 10 | | | Channeliz m/Road/R | | | 10 | 읭 | 0 | | Range | Lay | | | 0 | | o | |
| Road - tw | vo lane | | | 0 | 10 | 0 | | (IMPEDE F | LOW) | | | 10 | 허 | 9 | | Row Cro | ns | | | 0 | ŏ | ŏ | |
| Road - fo | | | | 0 | 10 | 0 | - | - | evel Contr | - | racture | _ | 허 | 0 | | Fallow Fi | eld (RECENT- | -REST | ING | 0 | o | o | |
| Parking I | Lot/Pave | ement | 100 | 0 | 0 | 0 | - | | ion, Dredg | jing | | 0 | - | 허 | | | ield (OLD - GR | ASS. | U | ō | o | o | |
| Golf Cou | irse | | 119 | 10 | 10 | 0 | | Fill/Spoil | Deposited | Sed | iment | 0 | 0 | 0 | | SHRUBS, T Nursery | REES) | | _ | 0 | 0 | Ö | |
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| Suburba | | | | 10 | 10 | C | 1 | | | posu | 16 | 0 | 0 | 0 | | Orchard | | | _ | 0 | 0 | Ö | |
| Urban/M | lultifamil | у | | 0 | 10 | C | <u>'</u> | Wall/Rip | | | | - | | 0 | | | 1 Animal Fe | edino | 1 | 0 | 0 | Ö | |
| Landfill | | | | 0 | _ | _ | _ | Inlets, C | ource/Pipe | 2 | | 0 | 의 | 히 | | | esidential | | | 0 | 0 | o | |
| Dumping | 9 | | | 0 | _ | _ | | (EFFLUEN | OUS SUFFAC | MWAT | ER) | 10 | 0 | 0 | | Gravel F | Pit | | | 0 | 0 | Ö | |
| Trash | | | | 0 | | | _ | (SHEETFL | LOW) | | | 0 | 0 | 0 | | Irrigation | | | | ō | ō | Ŏ | |
| Other: | | _ | _ | _ 0 | - | _ | _ | | | | | - 0 | 0 | _ | | | | | _ | 0 | 0 | 0 | |
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| Ind | lustrial | Dev | elopi | nent | Stre | 9880 | rs | | | | | | Habit | tat/V | egeta | ation Stre | | _ | | _ | | | Floor |
| Fili bubt | bie if pr | esent | - Pio | t 1 | 2 | 3 | Fiag | Fili bub | bie if pre | sent | - Piot | 1 | 2 | 3 | Fiag | Fili bu | bble if pre | sent | - Pio | | 2 | 3 | Flag |
| Oil Driffi | ng | | | 10 | O | O | | Forest C | lear Cut | | | 0 | 0 | 0 | | Herbicid | e Use | | | 10 | 0 | 0 | - |
| Gas We | | | | 10 | | + | | Forest S | Selective C | Cut | | 0 | 0 | 0 | | Mowing/ | Shrub Cutti | ng | | 10 | 0 | 0 | |
| Mine (su | | | | 1 | | _ | 1 | Tree Pla | antation | | | 0 | 0 | 0 | | Trails | | | | 0 | 0 | 0 | \perp |
| | | (mal) | 4 | - | | _ | _ | Tree Ca | nopy Hert | oivory | / | 10 | 0 | 0 | | Soil Con | npaction OR HUMAN) | | | 0 | 0 | 0 | |
| | ndergro | unu) | - | 10 | - | - | _ | | ayer Brow | | | 0 | 1 0 | 0 | | | vehicle dan | nage | | 0 | 0 | 0 | |
| Military | | | | 1 | - | _ | _ | Highly C | Prazed Gr | | S | 0 | 0 | 0 | | | sion (FROM V | VIND, V | WATER | 0 | 0 | 9 | |
| Other: | | | | 19 | $\overline{}$ | \rightarrow | _ | OVERALL | y Burned | | | | | - | | OR OVER Other: | USE | | | 0 | 0 | 0 | + |
| Other: | | | _ | 19 | | | 2 | Canopy | | | | 0 | _ | 0 | - | | | | | 0 | 0 | 0 | + |
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| • | Flag co Buffer | | | | | E | XDIAIN 4 | = Suspect m | neasureme omment se | nt., F | 1,F2, e on the | tc. = m back c | sc. fla f this f | gs as: orm | signed | Dy each fie | nu ciem. | | 24 | 281 | .830 | 4 | |

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| ⊘ Confirm | a filio | ed da | ta bu | ıbbie ir | ndicates presence and an uni | illed | bubb | ie ind | dicates | absence by filling in this bub | bie | | | - |
| Fill bubble if present - Plot | 1 | 2 | 3 | Fiag | Fili bubble if present - Piot | 1 | 2 | 3 | Fiag | Fili bubble if present - Piot | 1 | 2 | 3 | Flag |
| Eurasian Watermilfoil | 0 | 0 | 0 | | Purple Loosestrife | 0 | 0 | 0 | | Johnson Grass | 0 | 0 | 0 | |
| Water hyacinth | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 0 | 0 | 0 | |
| Yellow Floating Heart | 0 | 0 | 0 | | Japanese Knotweed | 0 | 0 | 0 | | Multiflora Rose | 0 | 0 | • | - |
| Giant Salvinia | 0 | 0 | 0 | | Perennial Pepperweed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| Garlic Mustard | 0 | 0 | 0 | | Giant Reed | 0 | 0 | 0 | | Himalayan Blackberry | 0 | 0 | 0 | |
| Poison Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | 0 | | Tamarisk | 0 | 0 | 0 | |
| Mile-A-Minute Weed | 0 | 0 | 0 | | Reed Canary Grass | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Birdsfoot Trefoil | 0 | 0 | 0 | | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 히 | |
| Canada Thistle | 0 | 0 | 0 | | Leafy Spurge | 0 | 0 | 0 | | Other: | 0 | | 0 | |
| | | | | | | | | | | Other: | 0 | _ | <u></u> | |
| | 8 | HE! | | | PLOT COORE | INA | TEQ | | I E TAL | | 9 | 9 | \overline{a} | |
| f Buffer Plot 3 can not be acce Plots are centered on the Buffi lag box, and describe where to | esseer Trahe co | d, tak ansec pordir of Pl | e the | coording the coording were tags | nates at the nearest practicable coordinates will indicate the locate aken and why in the comment stible or at the center of the last | loca ation (ection acces | tion A of the n belo ssible | trans | G THE sect. Fill ne coord er Plot. | TRANSECT. This is important be in the "nearest practicable local dinates of the nearest practicable and comment below) | ecaus | se all | Buffe | r in the |
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|--------------------------|----------------------|---------|--------------------|----------|---------|-------|--------|------------------------------|--------------------------|---------------|---------------|---------------|--------------|--------|----------|-----------------------------|------------------------------|----------|-------------------------|-----------------------|----------|--------|--------------|
| • | | | | | | | FO | RM B-1: | BUFF | ER | SAI | MPL | E P | | • | | | | red by (i | | | _ | 0 |
| Site II | D: P | CF | P | | B | e | 1B1 | 5 | | | | | | | DATE | :06 | 122 | 11 | 2 | O . | 1 | 3 | |
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| @ AAC | enter | 0 | N | 0 | S | 01 | E O | W | OP | lot | 1 | 0 | Plot | 2 | OF | Plot 3 | | | | | | | |
| | | | | | | | | s; E = Evergre | | ype: E | = Bn | oadlea | f; N = | Needl | e Leaf. | Absent: No tree | | ıvy (40- | -75%); | 4 = V | ery H | eavy (| >75%) |
| Buffer | Canopy | / Typ | e: 4 | (| الم الا | bsen | t: O | Buffer | Canopy | , Tyn | a. (|) (| امار | bsent | . 0 | Buffer | Canopy | Type | · (a) | (I) | TAP | sent | . \bigcirc |
| Plot 1 | | f Typ | | (1 | | J3011 | Flag | Plot 2 | | f Typ | \rightarrow | $\overline{}$ | \leftarrow | J3611 | Flag | Plot 3 | <u> </u> | Туре | $\overset{\sim}{	imes}$ | $\frac{\circ}{\odot}$ | 1 | 3611 | Flag |
| Big Trees (>0 | .3m DBH) | 0 | $\overline{\odot}$ | 0 | 0 | 0 | | Big Trees (> | L | ر خر | 0 | (O) | 0 | 0 | liug | Big Trees | (>0.3m DBH) | | <u></u> | <u>آ</u> | 0 | 0 | ilug |
| Small Trees (<0 | .3m DBH) | 0 | 0 | | 0 | 0 | | Small Trees (| | $\overline{}$ | Ō | 0 | 0 | Ŏ | | Small Trees | (<0.3m DBH) | Ō | Ŏ | Ŏ | 0 | Ö | |
| Woody Shrubs, (0.5m-5 | Saplings im HIGH) | | 0 | 0 | 0 | 0 | | Woody Shrub | s, Saplings -5m HIGH) | 0 | 0 | 0 | 3 | 0 | | | ıbs, Saplings im-5m HIGH) | 0 | 0 | ٥Ì | 0 | Ō | |
| Woody Shrubs, | | 0 | | 0 | 0 | 0 | | Woody Shrub | | Ō | Ō | 0 | Ō | Ō | | Woody Shru | | Ō | - | Ŏ | Ō | Ŏ | |
| Herbs, Fo | | 0 | | ② | 0 | 0 | | | Forbs and Grasses | 0 | Ō | 0 | Ō | Ō | | | Forbs and Grasses | 0 | - | Ŏ | Ō | Ö | |
| | ground | 0 | | 0 | 0 | 0 | | Bare | ground | 0 | 0 | 0 | 0 | 0 | | Bar | e ground | 0 | _ | 0 | 0 | 0 | |
| Litte | er, duff | 0 | 0 | 0 | 0 | | | Lif | tter, duff | 0 | 0 | 0 | 0 | 0 | | L | itter, duff | 0 | 0 | 0 | 0 | 0 | |
| | Rock | 0 | | 0 | 0 | 0 | | | Rock | 0 | 0 | 0 | 0 | 0 | | | Rock | 0 | 0 | 0 | 0 | 0 | |
| | Water | | 0 | 3 | 0 | 0 | | | Water | 0 | 0 | 0 | 0 | 0 | | | Water | 0 | 0 | 0 | 0 | Ō | |
| | merged getation | • | 0 | 0 | 0 | 0 | | | ubmerged egetation | 0 | 0 | 0 | 0 | 0 | | | Submerged Vegetation | 0 | 0 | 0 | 0 | 0 | |
| | | ence | e/Ab | send | e - (| Confi | m that | | | ndica | es p | resen | ce and | d an | unfilled | bubble indic | | | y fillin | g thi | s bub | ble. | 0 |
| Resid | lential | and | Urba | an Si | tress | sors | | | Hydrolo | gy S | tres | sors | | | | | Agricult | ural 8 | k Rur | al S | tres | sors | |
| Fili bubble | if prese | ent - F | Piot | 1 | 2 | 3 | Flag | Fill bubble | if prese | nt - F | Plot | 1 | 2 | 3 | Flag | Fili bubbie | if preser | nt - Pi | ot | 1 | 2 | 3 | Flag |
| Road - grav | /el | | | 0 | 0 | 0 | | Ditches, C | hanneliza | ition | 21 | 0 | 0 | 0 | | Pasture/Ha | ıy | | | 0 | 0 | 0 | |
| Road - two | lane | | | 0 | 0 | 0 | | Dike/Dam/ (IMPEDE FLO | | Bed | | 0 | 0 | 0 | | Range | | 16.1 | JE IV | 0 | 0 | 0 | |
| Road - four | lane | | HEIST | 0 | 0 | 0 | | Water Lev | el Contro | l Stru | cture | 0 | 0 | 0 | | Row Crops | | | | 0 | 0 | 0 | |
| Parking Lot | /Pavem | ent | | 0 | 0 | 0 | | Excavation | n, Dredgir | ng | | 0 | 0 | 0 | | Fallow Field | D) | | 4G | 0 | 0 | 0 | |
| Golf Course | е | | | 0 | 0 | 0 | | Fill/Spoil B | | a dia | | 0 | 0 | 0 | | Fallow Field SHRUBS, TRE | | ASS, | | 0 | 0 | 0 | |
| Lawn/Park | | | | 0 | 0 | 0 | | Freshly De | ED) | | | 0 | 0 | 0 | | Nursery | Partie | rthe | | 0 | 0 | 0 | |
| Suburban F | | tial | | 0 | 0 | 0 | ļ | Soil Loss/F | - | sure | | 0 | 0 | 0 | | Dairy | | | · | 0 | 0 | 0 | |
| Urban/Multi | ifamily | _ | | 0 | 0 | 0 | | Wall/Ripra | | 1000 | | 0 | 0 | 0 | | Orchard | | | _ | 의 | 의 | 읙 | |
| Landfill | | | | 0 | 0 | 0 | | Inlets, Out | | | | 0 | 0 | 0 | ļ | Confined A | | ding | | 의 | 의 | 의 | |
| Dumping | | _ | | 0 | 0 | 0 | | (EFFLUENT C | OR STORMV | VATER |) | 0 | 0 | 0 | | Rural Resid | jentiar | | | 의 | 의 | 의 | |
| Trash | | - | | 0 | 0 | 0 | | (SHEETFLOW | | | | 0 | 0 | 0 | | Gravel Pit | 4 | | | 의 | 의 | 의 | |
| Other: | | | _ | 0 | 0 | 0 | | Other: | | | _ | 0 | 0 | 0 | | Irrigation | | | + | 의 | 의 | 의 | |
| Other: | 4.1-1.5 | | | 0 | | 0 | | Other. | | | | 0 | 0 | 0 | | Other: | | | _ | 0 | 0 | 0 | |
| | trial De | | | ent S | | | | Habitat/Vegeta | | | | | | | | | 1,11,00 | - | | | | | |
| Fili bubbie | if prese | ent - F | Plot | 1 | 2 | 3 | Flag | Fili bubbie | if preser | nt - F | Piot | 1 | 2 | 3 | Fiag | Fili bubb | ie if prese | ent - F | - | 1 | 2 | 3 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | | Forest Clea | r Cut | | | 0 | 0 | 0 | | Herbicide U | se | | - | 익 | 9 | 0 | - |
| Gas Wells | | | | 0 | 0 | 0 | | Forest Sele | ctive Cut | | | 0 | 0 | 0 | | Mowing/Shr | rub Cutting |) | | 이 | 0 | 0 | |
| Mine (surfa | ce) | | | 0 | 0 | 0 | | Tree Planta | | | | 0 | 0 | 0 | | Trails | . 47 | | | 이 | 의 | 0 | |
| Mine (under | rground |) | | 0 | 0 | 0 | | Tree Canop (INSECT) | | | | 0 | 0 | 0 | | Soil Compa (ANIMAL OR HI | | | | 0 | 0 | 0 | |
| Military | | | | 0 | 0 | 0 | | Shrub Layer WILD OR DON | (ESTIC) | | . 8 | 0 | 0 | 0 | | Offroad veh | | | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Highly Graz (OVERALL <3° | HIGH) | | | 0 | 0 | 0 | | Soil erosion OR OVERUSE) | • | ID, WA1 | TER, | 이 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Recently Bu Canopy | | | | 0 | 0 | 0 | | Other: | | | | | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Recently Bu (BLACKENED) | rned Gra | sslar | d | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | |
| Flag | g codes: | K = N | io me | asure | ment | made | o, U=S | uspect measu lags in comm | urement., | F1,F2 | , etc. | = mis | . flag | s assi | gned by | each field cr | ew. | 2 | 2428 | 168 | 304 | | |
| But | ffer San | nple f | lots | 05, | /27/2 | | 1441 J | -av in vonill | | •11 | | .5 01 | | | | | | | | | | | |

| | | | | | | | - | | | absence by filling in this bubi | bie | | | 5 |
|--|---|--|--------------------------------------|---|--|--|---------------------------|----------------------------------|---|---|----------------------------|--|--------------------------|------------------------|
| iii bubbie if present - Plot | 1 | 2 | 3 | | Fill bubble if present - Piot | 1 | 2 | 3 | Fiag | Fili bubble if present - Piot | 1 | 2 | 3 | Fiag |
| | _ | | - | riag | Purple Loosestrife | 0 | 0 | 0 | 1109 | Johnson Grass | 0 | 0 | 0 | |
| Eurasian Watermilfoil | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 0 | 0 | 0 | |
| Water hyacinth | 0 | 0 | 0 | | Japanese Knotweed | 0 | 0 | 0 | | Multiflora Rose | | 0 | 0 | |
| Yellow Floating Heart | 0 | 0 | 0 | | Perennial Pepperweed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| Giant Salvinia | 0 | 0 | 0 | | | | | | | Himalayan Blackberry | 0 | 0 | 0 | |
| Garlic Mustard | 0 | 0 | 0 | | Giant Reed | 0 | 0 | 0 | | Tamarisk | 0 | 0 | 0 | |
| Poison Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | 0 | | 1.5 | 0 | | 0 | |
| Mile-A-Minute Weed | 0 | 0 | 0 | | Reed Canary Grass | 0 | 0 | 0 | | Other: | | 0 | | |
| Birdsfoot Trefoil | 0 | 0 | 0 | | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Canada Thistle | 0 | 0 | 0 | | Leafy Spurge | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| | | | | | | | | | | Other: | 0 | 0 | 0 | |
| If Buffer Plot 3 can not be accepted and the plot are centered on the Bufflag box, and describe where either placed as close to the Location of coordinate | cesse fer T the c cente | filling ed, ta ranse coord er of f | in the the ects a linate Plot 3 | ne coord and the as were as pos | opriate bubble. dinates at the nearest practicab coordinates will indicate the locate taken and why in the comment ssible or at the center of the las | le loca cation section t acce | of the | ALOR e trar low. Te Buf | NG THE sect. F The coo fer Plot | E TRANSECT. This is important ill in the "nearest practicable locardinates of the nearest practical. | becar | use al | Il Buf ple, fi can | fer Il in the |
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05/27/2011

Buffer Sample Points - Targeted Alien Species

| | . 6 | | | FO | RM B-1: | BUEF | FR | SAI | MDI | FD | I O | TQ (E | ront) | | | | | | |
|--|----------------|-----------------|---------------|-----------------------|--------------------------------|---------------------------|----------|-----------------|----------------|----------------|--------------------|-----------------|----------------------------------|------------------------------|------------|--------------|--|----------------|-------|
| Site ID: PCAP |) | n. | , | | | DOLL | LIC | | AILF | .L. F | LO | | | | Reviewed b | | n: | = | |
| Location: | _ | عو | | <u> </u> | • | Tem | In h | . la la | 1-1- | 116 | . 1 - 4/ | | E: <u>()</u> 6 | | | | <u>/ </u> | \rightarrow | To a |
| O AA Center N | | s | 0 | E (| w | | Plot 1 | | |) if p Plot | | | uld not be | sample | ed and | riag | → | | |
| O AA Genter Sit | | , 3 | U | | | Buffer | | | | | | | Plot 3 | | | | | <u>L</u> _ | |
| Fill in bubbles for all that apply: C Strata Section: Fill in appropriate | anopy cover | / Type class | : D = bubb | Deciduo le for eac | us: E = Everon | en Leaf T | Tune: R | = Br | adher | fN= | Nood | la Lasf | Absent: No tre loderate(10-40 | e canopy. %); 3 = Hea | vy (40-75% | 5); 4 = | Very H | leavy | (>75% |
| Buffer Canopy Type: | | A C | bser | nt: O | Buffer | Canop | у Турс | e: (| |) A | bsen | t: O | Buffer | Canopy | Type: |) (|) AI | bsen | t: C |
| Plot 1 Leaf Type: | | | 1 | Flag | Plot 2 | Lea | f Type | e: (|) (| | _ | Flag | Plot 3 | Leaf | Type: | (| | | Flag |
| Big Trees (>0.3m DBH) | 0 | 10 | 0 | - | Big Trees (| 0.3m DBH) | 0 | <u>O</u> | 0 | | 0 | | Big Trees | (>0.3m DBH) | \odot | 9 | 0 | 0 | |
| Small Trees (<0.3m DBH) | 0 | | 0 | | Small Trees (| | 0 | 0 | | 3 | 0 | $oxed{igspace}$ | Small Trees | <u> </u> | | 0 | | 0 | |
| Woody Shrubs, Saplings (0.5m-5m HIGH) | 0 | 0 | 0 | | | -5m HIGH) | 0 | | 0 | ① | 0 | | (0.5 | ıbs, Saplings im-5m HIGH) | | 9 | 0 | 0 | |
| Woody Shrubs, Saplings (<0.5m HIGH) | 0 | 0 | 0 | | Woody Shrub (<0 | s, Saplings J.5m HIGH) | 0 | | 0 | 0 | 0 | | Woody Shru | ibs, Saplings <0.5m HIGH) | 0 6 | 0 | 0 | 0 | |
| Herbs, Forbs and Grasses | 0 | 0 | 0 | | Herbs, I | Forbs and Grasses | 0 | | 0 | 0 | 0 | | Herbs | Forbs and Grasses | 0 6 | 0 | 0 | 0 | |
| Bare ground ① | 0 | 0 | 0 | | Bare | ground | 0 | 0 | | 0 | 0 | | Bai | e ground | 0 6 | 0 | 0 | 0 | |
| Litter, duff 💿 🕕 | 0 | 0 | | ŗ. | Li | ter, duff | 0 | 0 | 0 | | 0 | | L | itter, duff | 00 | 0 | 0 | • | |
| Rock ① | 0 | 0 | 0 | | | Rock | 0 | | 0 | 0 | 0 | | | Rock | 0 0 | 0 | 0 | 0 | |
| Water 0 | 0 | 0 | 0 | | | Water | | | 0 | 0 | 0 | | | Water | | 0 | 0 | 0 | |
| Submerged Vegetation | 0 | 0 | 0 | | | bmerged | | ŏ | 0 | <u></u> | $\overline{\odot}$ | <u> </u> | | Submerged | 6 0 | 0 | 0 | $\overline{0}$ | |
| Stressor Presence/Ab | | | Conf | im that | | egetation bubble in | ndicate | _ | | | _ | unfilled | | Vegetation | - - | \downarrow | \sim | . – . | • |
| Residential and Urba | | | - | | | Hydrolo | | | | | | | 100 | Agricultu | 1000 | | | | |
| Fill bubble if present - Plot | 1 | 2 | 3 | Flag | Flil bubble | | | - | 1 | 2 | 3 | Flag | | | | 1 | 2 | 3 | Flag |
| Road - gravel | 0 | 0 | 0 | | Ditches, Cl | | | | 0 | 0 | 0 | | Pasture/Ha | | | 0 | 0 | 0 | |
| Road - two lane | ō | 0 | 0 | | Dike/Dam/ | Road/RR | 210 | | 0 | Ö | ŏ | - | Range | , | | 0 | 0 | 0 | |
| Road - four lane | 0 | 0 | 0 | | Water Leve | | Struc | ture | 0 | 0 | ō | | Row Crops | | | 6 | 0 | 0 | |
| Parking Lot/Pavement | 0 | 0 | o | | Excavation | , Dredgin | ng | | ō | 0 | ō | | Fallow Field | | RESTING | 0 | 0 | 0 | |
| Golf Course | 0 | 0 | 0 | | Fill/Spoil B | anks | | | ō | 0 | O | | Fallow Field SHRUBS, TRE | (OLD - GRA | ASS, | 0 | 0 | 0 | |
| Lawn/Park | 0 | 0 | 0 | | Freshly De | | edime | ent | 0 | 0 | 0 | | Nursery | ES) | Table 18 | 0 | 0 | ō | |
| Suburban Residential | ि | 0 | 0 | | Soil Loss/F | | sure | | 0 | 0 | 0 | | Dairy | | | 0 | Ō | 0 | |
| Urban/Multifamily | 0 | 0 | 0 | | Wall/Ripra |) | | | 0 | 0 | 0 | | Orchard | | | 0 | ō | Ŏ | |
| Landfill | 0 | 0 | 0 | | Inlets, Outl | | | | 0 | 0 | 0 | | Confined A | nimal Fee | ding | 0 | 0 | 0 | • |
| Dumping | 0 | 0 | 0 | | Point Source (EFFLUENT O | RSTORMV | /ATER) | | 0 | 0 | 0 | | Rural Resid | lential | | 0 | 0 | 0 | - |
| Trash | 0 | • | 0 | | Impervious (SHEETFLOW | surface | nput | | 0 | 0 | 0 | | Gravel Pit | | | 0 | 0 | 0 | |
| Other: | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Irrigation | | | 0 | 0 | 0 | |
| Other: | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Other: | - 881 | | 0 | 0 | 0 | |
| Industrial Developme | ent S | Stres | son | s | | | | | ŀ | labit | at/V | egetat | ion Stress | ors | | | | | |
| Fili bubble if present - Piot | 1 | 2 | 3 | Flag | Fili bubbie | if presen | it - Pl | ot | 1 | 2 | 3 | Fiag | Fiii bubbi | e if prese | nt - Piot | 1 | 2 | 3 | Flag |
| Oil Drilling | 0 | 0 | 0 | | Forest Clear | Cut | | | 0 | 0 | 0 | | Herbicide U | se | | 0 | 0 | 0 | |
| Gas Wells | 0 | 0 | 0 | | Forest Selec | tive Cut | | | 0 | 0 | 0 | | Mowing/Shr | | | 0 | 0 | 0 | |
| Mine (surface) | 0 | 0 | 0 | | Tree Plantat | ion | 200 | | 0 | 0 | 0 | | Trails | | | 0 | 0 | 0 | - |
| Mine (underground) | 0 | 0 | 0 | | Tree Canopy | | ry | | Ö | 0 | 0 | | Soil Compa | ction | | Ö | 0 | 0 | |
| Military | 0 | 0 | o | | Shrub Layer | Browsed | | | 0 | | | | (ANIMAL OR HI Offroad vehi | | 10 | 0 | 0 | 0 | |
| Other: | 0 | 0 | 0 | | WILD OR DOM Highly Graze | d Grasse | 9S | - | 0 | 0 | 0 | | Soil erosion | | | _ | - | _ | |
| Other: | 0 (| | 0 | | (OVERALL <3" H Recently Bui | | est | + | _ | | | | OR OVERUSE) | | | 9 | 0 | 0 | |
| | | 0 | | | Canopy Recently Bur | _ | | | 9 | 0 | 0 | \rightarrow | Other: | 16 | | 0 | 0 | 0 | |
| Other: | 0 | 0 | 이 | | (BLACKENED) | | | | 0 | <u></u> | 0 | - 1 | Other: | | | 0 | 이 | 0 | |
| Flag codes: K = No mea | | | Expl | ain ail fi | ags in comme | rement., I | 1 on the | etc. = e bac | misc k of t | . flags | m m | gned by | each field cr | ew. | 242 | 3168 | 304 | | |

| Site ID: | PC | A | P | B | 0 1315 | DATI | i: _(| 0.0 | elé | 2412013 | | | | |
|---|--|---------------------------------------|------------------------|---|--|------------|--------|-------|--------------------------------|---|--------|---|-----|------|
| Confirm a | fille | d dat | ta bu | ıbbie in | dicates presence and an unfl | illed b | ubbi | e Ind | icates | absence by filling in this bubb | oie | | | 3 |
| i bubble if present - Piot | 1 | 2 | 3 | Fiag | Fill bubble if present - Piot | 1 | 2 | 3 | Fiag | Fiii bubble if present - Piot | 1 | 2 | 3 | Fiag |
| urasian Watermilfoil | 0 | 0 | 0 | | Purple Loosestrife | 0 | 0 | 0 | | Johnson Grass | 0 | 0 | 0 | |
| ater hyacinth | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 0 | 0 | 0 | |
| ellow Floating Heart | 0 | 0 | 0 | | Japanese Knotweed | 0 | 0 | 0 | | Multiflora Rose | 0 | • | 0 | |
| ant Salvinia | 0 | 0 | 0 | | Perennial Pepperweed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| artic Mustard | 0 | • | 0 | | Giant Reed | 0 | 0 | 0 | | Himalayan Blackberry | 0 | 0 | 0 | |
| pison Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | 0 | | Tamarisk | 0 | 0 | 0 | |
| ile-A-Minute Weed | 0 | 0 | 0 | | Reed Canary Grass | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| rdsfoot Trefoil | 0 | 0 | 0 | | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| anada Thistle | 0 | 0 | 0 | | Leafy Spurge | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| | | | | | | | | | | Other: | 0 | 0 | 0 | |
| Buffer Plot 3 can not be ac ots are centered on the Bu ig box, and describe where ther placed as close to the | cesso ffer T the c | ed, ta ranscoord er of | ke the ects linate | ne coord and the es were 3 as pos | dinates at the nearest practical | section | on be | low. | The co | E TRANSECT. This is important Fill in the "nearest practicable loop ordinates of the nearest practicat. | | | car | |
| ots are centered on the Buag box, and describe where ther placed as close to the Location of coordinat | cesso ffer T the c center ces (c | ed, ta ranscoord er of l | ects linate Plot | ne coord and the es were 3 as pos one): | dinates at the nearest practical coordinates will indicate the lotaken and why in the comment salble or at the center of the last | actica | able I | ocati | The confer Plo | ordinates of the nearest practica | ble lo | | car | be |
| Buffer Plot 3 can not be ac ots are centered on the Bu ag box, and describe where ther placed as close to the Location of coordinat O AA CENTER Latitude | cessiffer To the center center center (ces) | ed, ta ranscoord er of l | ects linate Plot | ne coord and the es were 3 as pos one): | dinates at the nearest practical coordinates will indicate the lotaken and why in the comment salble or at the center of the last O W3 O Nearest process. | actica | able I | ocati | The confer Plo | ordinates of the nearest practical. ag and comment below) | ble lo | | car | be |
| Buffer Plot 3 can not be ac ots are centered on the Bu g box, and describe where ther placed as close to the Location of coordinat O AA CENTER • N Latitude Flag Comments | cesse ffer T the center ces (c | ed, ta franscoord coord choo | ects linate Plot | ne coord and the as were 3 as pos one): O E3 | dinates at the nearest practical coordinates will indicate the lotaken and why in the comment salble or at the center of the last O W3 O Nearest process. | actica Lo | able I | ocati | The co ffer Plo ion (fla | ag and comment below) | ble lo | | car | be |
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| Buffer Plot 3 can not be ac ots are centered on the Bu g box, and describe where ther placed as close to the Location of coordinat O AA CENTER • N Latitude Flag Comments | cesse ffer T the center ces (c | ed, ta franscoord coord choo | ects linate Plot | ne coord and the as were 3 as pos one): O E3 | dinates at the nearest practical coordinates will indicate the lotaken and why in the comment salble or at the center of the last O W3 O Nearest process. Use Decimal | actica Lo | able I | ocati | The co ffer Plo ion (fla | ag and comment below) | ble lo | | car | be |