| Project I abel: | PCAP | Plot N | 0:3425 | _Date Sampled: G/ZI/II | Lead: Sarah |
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| | de of Park Boundaries. | y (v) | III yes, wn | te details in Comments section | below |
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| heck cover page | | <u>Д</u> и | | | |
| ince cover have | X-axis Bearing of plot recorded GPS coords, Recorded | | | | |
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| | \(\text{dentified} \) | Y N | | | |
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| | | | | | |
| | ntion: Is plot sampleable? | | | | |
| *V Yes | Original GRTS point is sampleable | , | | | |
| □ No | Original GRTS point lands in a non- | -sampleable area (| (fill in catego | ry below) | <u>-</u> |
| | n Point falls in a water 6.c. river, | | | | |
| | Managed moved area (i.e. gold | course, picnic area, 11 | ght-of-way) | · · · · · · · · · · · · · · · · · · · | |
| | Paved area (i.e. parkinglot, road) Unsafe to sample (i.e. steep slop | e) | | | |
| | Other Other | ··· | | | |
| ditional Commen | | | | | |

中级 and Burg アナナタ CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet <u>6</u> Total modules: Project Label: /isual est, % open water entire site 4 ς Σ $\overline{\mathcal{O}}$ 6 87 رلا $\overline{\Box}$ Q W U W AP Species Cover Data sheet in the Species Cover Data sheet in the Species of the (F)(A) Br # Facus 5 CACX Solithers Prunus surotina Contain of Maianthamus Podophyllum pe Ostry a Virginiana fea nanthes Course 6 Poe Macmolia accominata Acer seedungs Phododendon o Acer Succharyo Arisasma Polytonatum Prunella Carya Seedbay Malanthomory Canadansa Br = Browse Level. Use cover classes to describe amount of browse per species over Diden Sp Arrax. CUMPATIONS COUNTY OF M. alsocky & 24-11 POR RIEDURA grand(tolla SN&D) COSELL age 1 of x_ver 1.5.xls last revised 6/9/2011 MICH EST (SEC) Species entire plot PCAP つっせっく Ò calsi o edosusis triphy Iw YU Karis NE SOBOSIN O いなのとすり it lown SIRE 8-24-111 Visual est, %unveg.c.w. entire site: Intensive modules: %unveg. ground (bare soil) Estimate for each %unvegetated open water intensive module: 5RC337/8E339 SRC 383 SRE SAE Project name: O(N(20)) Voucher# %open water 333 08.E ىر (N) Ľ dectr Ŵ ע 1 Ľ, 707 رى H 2 تو COV 6 נפ Plot configuration: 多女多 ىر Q ىرو W mod Ł Visual est. %invasives entire site: E epin ያን W § C Ō 6 نىر للو Q 6 Ţ, 200 1 $c\varrho$ Q, Σ W 3 r W Q U <u>Vatural Resource Management FORM NR/2016</u> D MUO Œ Q, 2 Ø رو 8 depth $\bar{\mathcal{V}}$ Ø 1 pogr σģ come, Plot area (ha): O.) 9 9 -D Page را A Ŷ L Ø 2 Q (Q دى W Tood: Γ Q 7 0 ð 92 1 ۱4 depth a. W. ₩ee ţ * b 2 RI

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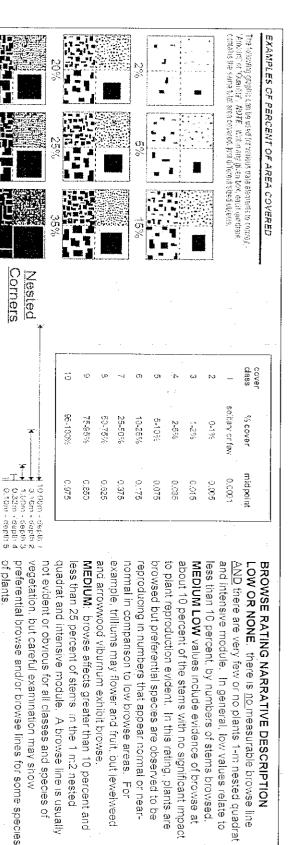
0m ibasel пе

ôm

20m

30m

38



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

%08

100m² =

Conter 2

of plants.

the 1 m2 nested quadrat and intensive module. AND a browse line is evident.

©epth 2 = 10m²

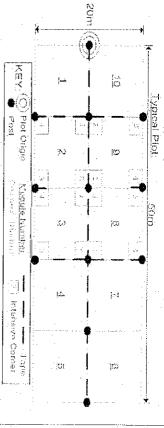
green growth beneath Browse line may be 5 to 6 feet in height with no or little seedlings and herbs are severely browsed or missing. where the browse line is very evident AND almost all VERY HIGH values include extensive browse conditions

O1

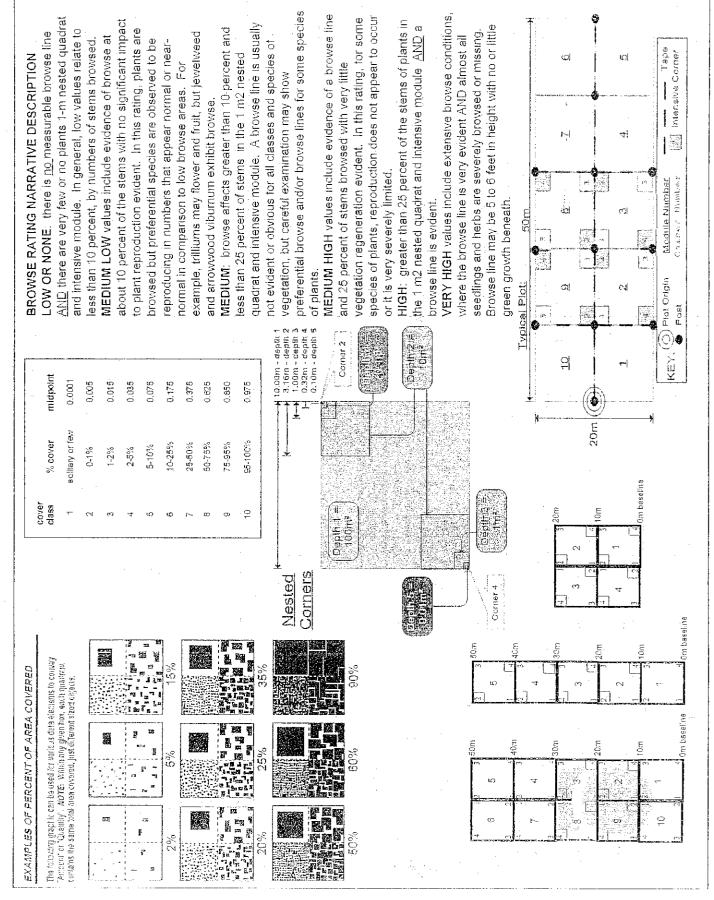
Corner 4

Depth 3 = 1m2

40m

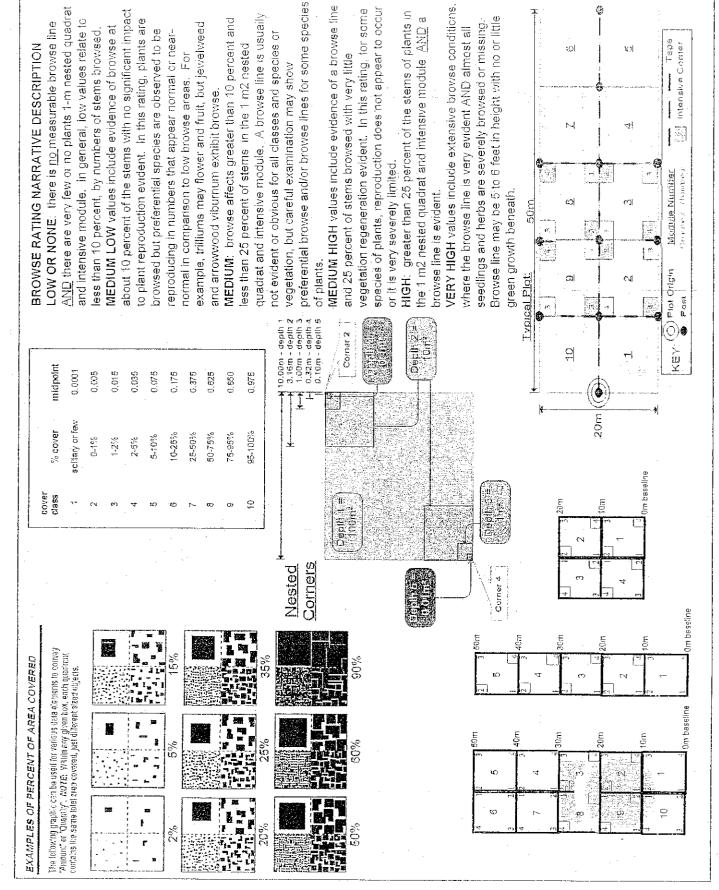


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| | | | | SUM | | 5 | シナロダー | 0 No. 30 | Ġ | 111-40-8 1285 | | | | | | 8 10 N N N | | | | | | | | | | | | C Voucher# depth | Sunveg, litter (bare litter) 1 | T | Survegelated open water 1 | er Er | Estimate for each intensive module: death | %unveg.o.w.jtgsjste.site. | Illifetizine modules. | Project name: | ent Program Species |
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| | (Л | <u> </u> | | | | 1 | | Ą | | Ą | 4 | ۱, | , , , | 1 8 C | 100 | 1/6 | - KO | (A) | 3 | W | 2 | A |) () | ۷) (۲ | j | 1 | <u>ا</u> | (| depth of | | | | Ge 20 | Ser mad comer | | | <u></u> |



Strong Strong Dyna Leave Varonica? Morrison Cleveland Wetroparks CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet /isual est. % open water(entire site: Total modules: Project Label: trata - Cov. entire plot ratio (2sOM POAP Spscies Cover Data sheet Page 1 of x_ver 1.5 x/s tast revised 7/15/2010 J/m S H (F)(A) Br تر) N Q They pless nowborkensis WHIS Allieria petiolata Carex sp (no repro Grit moisin Progocod - Moden dren tulialtara describe amount of browse per species over Acer Amphicarporbracte May 50E 386 CACON CUBIUS CONTRACTOR Crasteaus Fostuca 3 Subveticillator Alliaria Ar acquitus QUUN LLUS Holy Highum acrostiche des & Corpinus Paragarant Stragas かれっしいが Kanun culius extraction redicates toway United property of the soil Sisoph & Br = Browse Level. Use cover classes to **MOCUS** government appositions Sood Une phalanoides Species entire ptot Ö dicot cycohar of and Strictor W1Pm hispiela 11/10th SRE 334 Visual est. %unveg.o.w. Entire site: -> 08/04-60 1200 - BJ 11-48-3328 Intensive modules: รมกงeg, ground (pare soil) intensive module: Estimate for each Saudicedetaled oben water Sourceg, litter (bare filter かれ Project name: Of NC 2011 Voucher# Sopen water SPE depla ٢ と下が 000 cav | depth Plot configuration: 000 Visual est. %invasives<u>fatilite site</u> Plot no 3425 г С legin pom james Soul N X Z depth Natural Resource Management FORM NR/2010-02a comer. cav cav | depth depth Plot area (ha): 🕖 🗎 Page 3 of CON a 10 cov. réep!" Name Name depth deplii при ন comer (V) 0 V 007 E G æ. 2 V W (Q D Ŋ (0)

(j)



SAMPLING QUALITY* PLOT NOT SAMPLED: Minimum required fields in Bold and Underlined Authority: TAXONOMIC STANDARD vascui. TAXONOMIC ACCURACY ∀ery thorough Effort Level: Date (min/dd/yyyy): Plot No.: CXXQC Project Name: Project Label: GENERAL INFORMATION 0.510 ind date (if > 1 day): Hurried Accurate Roller Co-tenden Asst. Guide, Owner, Tayonom st, etc. Level 5 (nested corners sampled) Level 4 (no nested corners sampled) high □ Paved □ Slope □ Safety modera. into sampling. Hurried subjective evaluation of plots may still provide how much effort put Pub Date Plot leader 011 o Other not smp 10,68 1998 State Photo Nos.: Camera No.: Depth: (1-5): O Stems present Plot size stems: Plot size for cover data: Datum: ■ NAD83/WGS84 ■ Lat/Long = UTM = StatePlane Coordinate system: GPS location in plot x=0 to 5, $y=-1,0,\pm 1$): Source of coordinates - MAP If data not public why? Reason: 🗅 Fuzz 100m 🗁 Fuzz 250m 🗓 Fuzz 500m Check one:

Public data

Private Data Data Confidentiality: Local Place Names LOCATION Intensive modulesy2, 3, 8 8, 4, 4 GPS File Name: Coord, Accuracy: Longitude: Quadrangle: Stems not sampled on this plot - Stems absent Other (specify) *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide X-axis Bearing of plot: H0(base of piot x=0, y=0) \Rightarrow □ NAD27 🖪 deg 🕫 deg mm Coord. Units ■ GPS (ha) (hectares) Layout: QXS content), Rationale (why here), and Veg Characterization (description of community NOTES: Include Layout (any ususual shape details), Location (directions and landscape Location Park along Buttermilk Falls Phung where the vorse trul crosses the dommants, strata, BROWSE). Additional notes in space on back 2.10 Pol placement: Representative AGRTS = Random = Sustified Random Outbox 1944 Retionale GRISP. Bridle trail overs most of med 1 and parts of mod 9.

No moved the intensive to 3,4, 7,8 * Software of Plot origin S GPS location O-Strawberry land. Bridge trail Salvarie photo raicen, 事: location of permanent posts OVER äl: Os ₩. G.

| CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet | ty Assessment Progra | am - Background Data | Sheet | | (P) Cleveland Metroparks |
|---------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|------------------------------------------------------|
| Project Label: | H: PCAP | Project Name: | | Plot No.: | Page 2 of 2 |
| CLASSIFICATION | | STAND SIZE | DISTURBANCES | | |
| (FIT = excellent, good, fair, poor; CONF = high, med, low) | Fit and Confidence | ! | type* severity** y | yrs ago % of plot description | scription |
| Hydrogeomorphic class (WETLANDS ONLY): | | □ >1,000 x plot size | | | |
| = DEPRESSION | Fit=Conf= | □ > 100 x plot size | Natural | | |
| □ IMPOUNDMENT □ Beaver □ Human | Fit=Conf= | □ 10-100 x plot size | Fire | | |
| C RIVERINE G Headwater & Mainstem G Channel | Fit=Conf= | □ 3-10 x plot size | Cut | | |
| □ SLOPE (ground water hydrology or on a physical slope) | Fit= Conf= | □ 1-3 x plot size | Animal | | |
| □ FRINGING □ Reservoir □ Natural Lake | Fit=Conf= | □ < plot size | Other | | |
| ប COASTAL (specify subclass) | Fit=Conf= | | **L=low, ML=med low. | M=med, MH=med high | ML=med low. M=med, MH=med high, H=high, VH=very high |
| BOG (strongly, moderately, weekly ombrotrophic) | Fit= Conf= | <u> </u> | Current Land Use: | | |
| Ohio EPA VIBI Plant Community Class (WETLANDS ONLY): | ONLY): | | Former Land Use: | | |
| □ FOREST □ swamp forest □ bog forest □ forest seep | Fit=Conf= | | HYDROLOGIC REGIME* | GIME* | |
| □ EMERGENT □ marsh □ wet meadow □ open bog | Fit=Conf= | SALINITY* | □ Upland (seldom flooded) | | Intermittently flooded |
| □ SHRUB = shrub swamp = tall sh. bog = tall sh. fen | Fit= Cont= | □ Saltwater | □ Intermittently/seasonally saturated | | □ Semipermanently flooded |
| MODIFIED NATURESERYE CLASS* | | □ Brackish | (seldom flooded) | o P | □ Permanently: flooded |
| CODE (on separate form); | Fit=Conf= | □ Fresh | □ Permanently/Semipermanent, saturated | | □ Tidal/Seiche flooded daily |
| | | □ Upland (n/a) | (dry <1/yr, seldom flooded) | | Tidal/Seiche flooded monthly |
| COMMUNITY NAME: | | (by default unless plot is a | □ Occasionally flooded (<1/yr) | | Tidal/Setche flooded irregular |
| | | Welland) | □ Temporarily flooded | | (e.g. wind, storms) |
| | | | | 10 | Unknown |
| HOMOGENEITY | Additional notes & diag | Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.) | of plot to the stand, succes | sional status, maturity, | etc.) |
| a Homogeneous | | | | | |
| □ Compositional trend across the plot | | | | | |
| a Conspicuous inclustons | | | | | |
| □ Irregular/pattern mosaic | <u> </u> | | | | |
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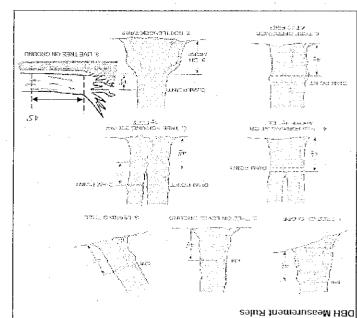
CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 05trya Virginiana Explain subsample (additional room on back): (aiyo Quercos velotina Livib during tilipiAm Fagus grandifolia Switzera to Standing doud Standing Claud Ostrya virginiana **L** . Acer Saccharum Fugus grandifolia Fraxinos smeercare Standits dead fasos crandifolio (194 42Q 3 Ostrya Virginia Night Pries specting NA Saccharun the rain oraty Sacchbrom Project Label: PCAP voucher# # stems orowsed 0,5-4 m N e:dmss or super % sub Project Name: 8 1/C 2011 ര്ഗനാട shrub 7£ X:18 Š. size class (cm) woody stems > (m • 因以 X 9 c 1-<2.5 Ø. 以 2.5-<5 Plot No.: 3425 怼 5-<10 10 - < 15 Page: 30 - <35 으 Pollovelissu Resempents 3 995 >40 (record each tree) -3

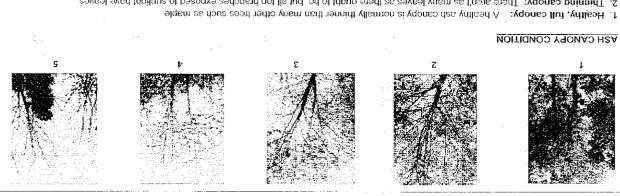
Woody Stem Deer Browse

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









- 5. Thinning canopy: There aren't as many leaves as there ought to be, but all top branches exposed to sunlight have leaves
- saulight, die naturally and are not considered 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches not exposed to
- 2° Desq cauobh: No jeanes temain in the canopy portion of the tree. If still counts as a 5 even if there are epicormic sprouts below the canopy ₹ >20% Diepack: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead.

B: Over 50% of main branches have line lwigs. A: All main branches contain fine twigs (newly dead) таяк аs described below) (it an ash receives a score of 5 (dead) under canopy condition it must also receive a breakup condition ASH CANOPY BREAKUP CONDITION (for dead trees):

D: Stem still standing and tertiary main branches present $\mathbb{C}\colon \mathbb{F}\text{ess}$ than 50% of main branches have fine twigs

(fowest branch) on the trunk.

E: Central stem still standing.

3aOM FOAF Natural Woody Stem Data Sheet ver 2.0.xls last revised 6:9/2011 jjm

VITS INTIMA

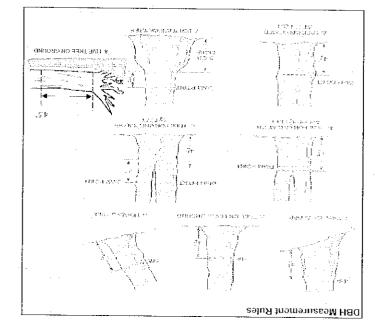
CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Rhododendton Rhodo dondren sp Fagus_ tases Act Sacharm Air o Stryry Standing A Car Acer Cubican authors robing Carya Ovata Sunn's Fasus Standing dead Standing dead Mashdia accomingly AR Sacchorum Fagus grandifoliu Homeing drag Acre tubers Ostrya VIVSI MIGH granditali 4 Sacchaum Grandito, 4 5 randsfelia Stroting 120 Granditolia VIFSINIUMC Saccharvin Project Label: PCAP # stems browsed 0,5-1m or super % sub Project Name: Ol NC 201 clumps shrub 44: size class (cm) woody stems >1m ٠٠. *** H As Fi C • ÷ U 风风风 Ŋ 18 1-42.5 N . X 図 二 5,5-<<u>6</u> Plot No.: 3425 Q-7.70 10 = <15 15 - <20 Page: ್ತ, Constant Meangains 5 50.2 >40 (repart each tree) ر مر 7 026

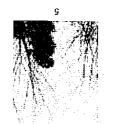
Woody Stem Deer Browse

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

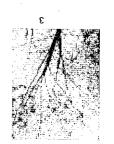
Record using the tally system from 1 to

















ASH CANOPY CONDITION

- 1 Healthy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple
- 3. Dieback: Canopy is thinning and some top branches exposed to sunlight are dead (have no leaves). Lower branches, not exposed to 5. Thinning canopy: There sien Las many leaves as there ought to be, but all top branches exposed to sunlight have leaves
- 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 nahwally and are not considered.
- (lowest branch) on the trunk 2" Desg csuob): No festes constituing the csuoby portion of the tree. If still counts as a 5 even if there are epicormic sprouts below the csuopy

∄

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

Lank as described below)

- $\dot{\mathbf{v}}$: VII wain branches contain fine twigs (newly dead)
- B: Over 50% of main branches have line twigs.
- $\mathbf{C}\colon\Gamma\text{---}\text{----}\text{----}$ then $\mathfrak{p}0\%$ of usen branches have tine twide:
- $D\colon \ensuremath{\mathcal{S}}\xspace$ for still standing and tertiary main branches present
- E: Central slem still standing

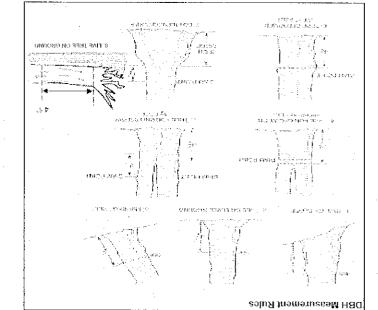
0 · Y) CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 2 ō ō 3 23 ਠੇ Ostoza vitziniana ther platemaides Figus Grand, Yelia Standing cland Acer Sacharum Quercos alba Fugus granditalia Fraishus amontam Acer Suchaco ACOL Standing dead Succharum Project Label: PCAP # stems 0.5-1m or super % sub Project Name: 01/VC2011 Shrub # . . 1 [] size class (cm) woody stems >1m 7 0 ۲. 1. 1-<2.5 100 PM . Ω- Δ Ω- Δ Ω-Plot No.: 3425 . Ģ-<10 10 - <u>41</u>5 15 - <20 20 - <25 Page: 25 - <30 30 - <36 Served as well and the confidence of the confide 35 - <40 630 67.8 >40 (record each tree)

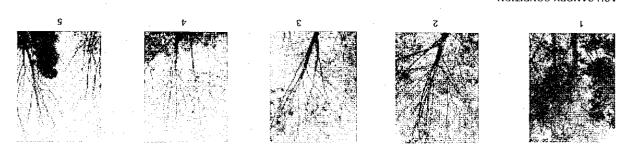
Woody Stem Deer Browse

Record the number of stems/plants between 0.5-1 0 meters

Record using the tally system from 1 to 10







VSH CANOPY CONDITION

- 1. Hosithy, full canopy: A healthy ash canopy is normally thinner than many other trees such as maple
- 5. **Epimaing canoby**: There aren't as many leaves as there ought to be, but all top branches exposed to smulight are deaves). Expere aren't as many leaves are there or exposed to smulight are deaves. There are the services are
- 💤 >20% Dieback: The canopy has less than half of the leaves that should be there and/or half of the top branches are dead:
- (lowest preserve). We lesses remain in the carropy on the transfer and the carropy. We lesses remain in the carropy of the transfer and the carropy of the c



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С

В

(it su say tecejaes a scote of 5 (dead) under canoby condition it must also receive a breakup condition (it su say CENOPY BREAKUP CONDITION (for dead trees):

rank as described below)

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

| | holes | present | rcles | ٦ |
|-----|----------------|-----------|-------------|---|
| | Wacdpecker | Epicormic | # III 22 | |
| | | Only | ASH Only | |
| _ ; | Plot No.: 3425 | Plot No.: | | |

INTENSIVE MODULES ONLY TRE

| Ва | seline | |
|----|--------|--------------------------------------------------|
| N | (0) | N Change intensive module numbers when necessary |
| ω | ۵ | bers when necessary |

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

| | 25 |
|----------------------------------------------------------------|----|
| * If Ash Condition scores 5 (dead) provide breakup score (A-E) | |
| dead | |
|) pro | |
| /ide breakup s | |
| core (A-E) | |
| | |
| | |
| | |

23

22 Ø 20

24

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-1

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~1

65

Ash

Voucher#

(em)

Ht ② Ash Pead DBH condition condition

Count EAB exit holes 1.25m≥ x ≥1.5m

Woodpecker and epicormic marked present (1) or absent (0)

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

Project label: PCAP Project Name: 01 NC 2011

Plot No.: 3425

and the second property of the

Page: 1 of 1

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

Soil pit module # 💆 (one per entire plot)

| matrix color 1048 3/2 mottle color 1098 Y %mottle V coxid roots Y redox features** Y ivdr. cond *** I S M D matrix color 1098 Y mottle color 1098 Y %mottle V %mottle V coxid roots Y coxid roots Y coxid roots Y mottle color NO NC coxid roots Y coxid roots Y mottle CO symmetrix CO mottle CO coxid roots Y coxid roots Y coxid roots Y coxid roots Y mottle CO coxid roots Y coxid roots X coxid roots Y coxid roots X c | | | | | 20 cm | | | | | 5 cm | ļ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|--------------|-----------|----------|-----|----------|---------|---|------|---|
| | *** I S | texture* 1 | oxid reots Y | %mottle Ø | 12 21/21 | - S | texture* | %mottle | l | 3 | |

refer to texture classes on reverse side

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

=mdundated S=saturated M=moist D=div

Notes: include evidence of earthworms

Found no earthworms

(worms, castings, miodens) or castings in sail pit.

> 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

| Parent Material: 1 111 | Landronii (ype: Y)a. | | Web Soft Survey Information: | Soil Description/notes: | 3=178 | 2,3,8,9 composited | Soil Collection Module 1 |
|------------------------|----------------------|--------|------------------------------|-------------------------|-------|--------------------|--------------------------|
| | | + loan | b | | 4 | LE- | Herizen (A, B, C) |

DAB

DRAINAGE

Excessively drained

Somewhat excessively

□ Well drameα

□ Moderately well dr.

Somewhat poorly dr

□ Impenneable surface

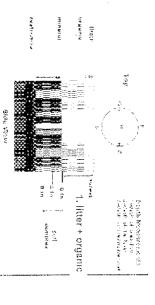
Very poorly dr.

STANDING BIOMASS (required for emergent wetlands): each intensive module. Required for VIBI-E score calculation. collected in $0.4\mathrm{m}$ clip plots (32x32 cm) from corners 1 and 3 m C7=check when collected

| | | | |
|--|----|--|----------|
| | | | Module # |
| | | | C? |
| | ·. | | Corner |
| | | | Corner |

Restrictive 1+ 40-60 in.

| | aver dent | >100 | = 125 cm | Length of soil probe = 125 cm > 100 | Length of |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------|-------------------------------------|-----------|
| 730 | 2300 730 | 1534 | 3, 2 | 2 | cc |
| 730 | o of | 7,864 | 2,4 | 2.4 | 4 |
| 730 | ٠ 0 | >\X | - 20 | 1,8 | 1.5 |
| 730 | 750 0 | 108K | 2.2 | 2.2 | ž |
| (cm) | (cm) | *wss | (cm) | (em) | modë |
| sat soil | depth | depth(em) | depth | organic depth | |
| depth | water | 3 restrict | 2 litter | l litter – | |
| SOIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to the nearest 0.1 cm in center of intensive modules. If >30.5 cm, record as >30 | DIL DEPTH MEASUREMENT INSTRUCTIONS: Measure to nearest 0.1 cm in center of intensive modules. If >30.5 cm, record as >30 | MENT INSTRU r of intensive record as >30 | SUREME n center o | EPTH MEA | SOIL DE |



6aCM FCAP Soils_Crown cover_Lancform_Standing Biomass_Data Sheet_Ver 2xts.xts last revised 6/9/2011 cerb

Natural Resources Mangement FORM NR/2010-06a

oinaganic =0 which form a ball but not a ribbon should be coded as loamy. porth a ball and a ribbon should be coded as clayey; samples and aftermpt to form a self-supporting ribbon. Samples which form soil does form a ball, squeeze the sample between your fingers a grainy texture, the texture is either sandy or coarse sandy. If the rell the sample into a ball. If the soil will not stay in a ball and has does not freely flow from the sample when squeezed. Attempt to enough that all of the particles are saturated but excess water of modeling clay/wet newspaper; the sample should be wet the appropriate layer and moisten it with water to the consistency and 20 cm layers. To estimate texture, collect a soil sample from **SOIL TEXTURE:** Record the code for the soil texture of the 5 cm $\,$

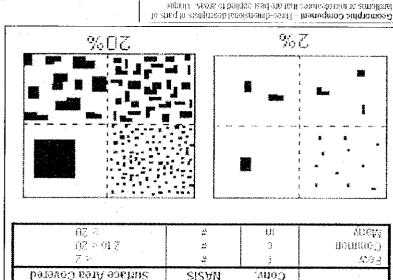
2= Clayey f= Loamy

4= Coarse Sand

3= Sandy

9= Not measured - make plot note

-cv.f - (909 ni minace) agalabih) nobize 9 shloru - sqotalih

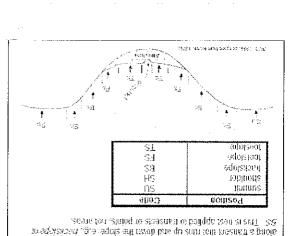


CHOUGH IS OF

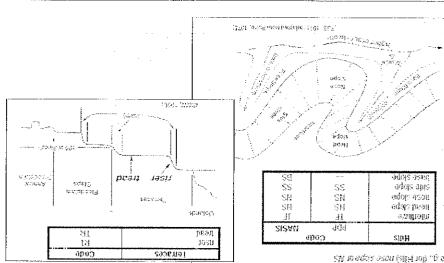
descriptions are available for Fills. Terraces, Mountains, and Flat Plants:

PERCENT MOTTLES (USE CLASS CODES):

C1923



quantistic and straining of parts of barrs of brondings and straining



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

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

OCCASIONALLY 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

TEMPORARILY FLOODED: Surface water present for brief periods during growing season, but water table usually lies well below soil characterizes flood-plain upper terraces

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable surface. Often characterizes flood-plain levees and lower terraces. Equivalent to Cowardin's Temporary 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

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

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

LINKNOWN: The hydrologic regime cannot be determined from the available information

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

Туре

%Cover

10%

| COVER BY | | estarato using |
|----------------|---------------------------------------------|-----------------|
| Heigh | Height Range | |
| Strata | <u>(m)</u> | Total Cover (%) |
| Tree | 5 . + | 831 |
| Sarab | 0.5 5 | 737. |
| Harè | 0 0.5 | 23-1 |
| (Ficet∴g)* | | |
| (Aq.:::ia)** | | |
| t boated and f | roated and floating or slightly emersed | emeraed |
| T aub Terace | " submersed impstibliant mass below surface | below surface |
| の日田 のきの人の | SACKIOF PAGE FOR "TYPICAL" | "TYPICAL" |
| STRATA DE | STRATA DESCRIPTIONS. | STRATA |
| CAN VARY | OAN VARY BY COVER TYPE. | ij |

| EARTH SURFACE & GROUND COVER | ACE & GRO | UND COVER | |
|---------------------------------|----------------|-----------------------|---------|
| Underlying Earth Surface | th Surface. | Ground Cover | |
| Char = 16936 | percent | (Each ≤ 195%) | percent |
| Historol | \ | Coarse Woody Debris** | -1.81 |
| Museral Soci | 1.80 | Fine Weedy Dends**** | 4.8 |
| Gravel-Cobble* | 2 % | Litter | 88 1- |
| Boulder** | (| Duff (Fern. + Humus) | 0.1. |
| Bedrock | - | Bryophyw-Lieben | 3',- |
| uj 01 ot 9571 = stadoOrjavato . | 0, 01 0, 957). | Water | 0 .1. |
| *Boulder = >10 in | , | Bare Soil | 97 |
| *** >5 on in d'ameter | ě | Read/Trail | 1801.8% |
| <5 on in ciemeter | inlete! | Other | |

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

| llope 1 = sight | elevational grad | Slope 1 = slight elevational grade agrees module (h.) | H) | Slope 2 = f2's en slepe +20 : | Slope 1 = signitisational grade agrees agricultation = square agricu | Slope 3 = niexn | Slope 3 = max minr steephees (not ont polisofely sampled ~45 f | n po safoly sample | n. 14.00 |
|-------------------|--------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------|--------------------|-------------|
| C feature is abs | sent or functiona | Isature is absent or (unctionally absent (Golf Ocurse Flat) | erse Flat) | | | | | | |
| feature is pre | isent 'n very sini | al amounts or fire | feature is present in very small amounts of ithore common, of low quality | ্ব ল | | | | | |
| teature is pre | isont in moderat | e amounts, but de | feature is present in moderate amounts, but not of Fighest quality, on it small amounts of highest quality | i small amounts of h | gnestique ly | | | | |
|) feeture is on | esentin modera | le or greater amou | for feature is present in moderate or greater amounts and of rightest que ly | 47 | 63 V.d 60¢ | nt for pieces with | awyd gaunt for pieces with min mum Inni length | | |
| | | no, es, | E0. 01 | no macre. | c.w.d | 6 W d | : p.w.a | microids. | in decount |
| | | russocks | frammerks | cepressions | (2-12 cm) · | (12 4 7em) | >4-1 cm | interspers. | |
| | | :lepth 3 | dépth 2 | depth 1 | depth i | depth 1 | depth 1 | deprh 1 | SLOPE |
| | | lvin | 3 16x3.16m | ltxlCm | # E | Lôglôm | icalom, | 10v10s | motiveti . |
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| 0.c 3 = | | Ø | Ø | _ | ∞ | B | 0 | | Q. |
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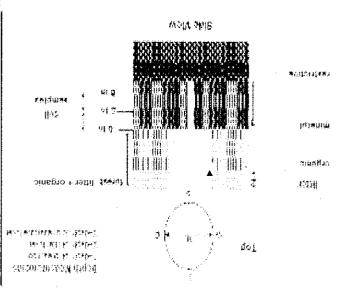
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| which case they would span the | berb and shrub layers. |
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| nitob rello are agrilbees eerT*** | oi H8G mb 3 <> as no trigibit m ≥ 1 of qu as bo |
| s to agailbees ebuloni oala naO** | më o> adunda Ne ⊝ i adund |
| *Very tall shrubs are sometimes | mutents eart of the behaloni |
| Aquafic (submerged) | Submerged |
| Floating | ճսյթօվ, լ |
| Herb (Field) | Herb, dwarf-shrub**, tree (seeding***) |
| Spunp (deuctally 0.5 to 5 m) | Tree (sapling), shrub, liana, epiphyte) |
| * : | сыриу(с) |
| juce (deuctally >5 m) | Tree (overstory) very tall shrubs* liana |
| MUTASTS | GENERAL FORM |
| COVER BY STRATA | |



CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey



| Tier 1: Early detection, | Rapid response | | | Pres | ence | | GPS | |
|----------------------------------|--------------------------------------------------|-----------------------------------------|-----------|--------------------------------------------------|--------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| | · | | NE | SE | SW | NW | | Presence |
| Microstegium vimineum | Japanese stiltgrass | | | | | | | X: yes |
| Ranunculus ficaria | Lesser Celandine | | | | | | | |
| Cynanchum Iouiseae (vine) | Black Swallow-wort | | | | | | | 1 |
| Butomus umbellatus (wetland) | Flowering Rush | | | | | | | 1 |
| Heracleum mantegazzianum | Giant Hogweed | | | | | | | 1 |
| Tier 2: Assess a | s Needed | | | # of I | Plants | | comments | |
| | | | NE | SE · | SW | NW | The state of the s | # of Plants |
| Acer platanoides | Norway Maple | | | | <u> </u> | | | 1: 1-10 |
| Ailanthus altissima | Tree of Heaven | | | | | | | 2: 11-50. |
| Lonicera japonica (vine) | Japanese Honeysuckle | | | | | | | 3: 51-100 |
| Lythrum salicaria (wetland) | Purple Loosestrife | | | | | | | 4: 101-1,000 |
| Aegopodium podagraria (G-cover) | | | | | İ — — | | | 5: >1,000 |
| Celastrus orbiculatus (vine) | Asian Bittersweet | | | <u> </u> | <u> </u> | | | |
| Torilis sp. | Hedgeparsley | | | | | | | |
| Conium maculatum (wetland) | ····· | | | | Ī | | | 1 |
| Rhamnus cathartica | | shrub) | | 1 | 1 | | | |
| Berberis thunbergii | | shrub) | | \times | ì | 2 | | 1 |
| Alnus glutinosa | European Alder | | | | | | | 1 |
| Dipsacus laciniatus | Cut-leaf Teasel | | | | | | | |
| Flaeagnus umbellata | Autumn Olive (s | shrub) | | | | | | |
| Lonicera maackii | | shrub) | | | | | | 1 |
| Euonymus fortunei | Wintercreeper | | | | | | | 1 |
| Tier 3: Presence is | , <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | | | # of I | Plants | | comments | |
| | | | NE | SE | sw | NW | minist I - 1114n Saar valoon Had kalank k Haringsa ka aana Ha | # of Plants |
| Convallaria majalis (G-cover) | Lily of the Valley | | | | | | | 1: 1-10 |
| | Crown Vetch | | | | | | | 2: 11-50. |
| Eleutherococcus pentaphyllus | | shrub) | | İ | | | | 3: 51-100 |
| | Japanese Pachysandra | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | 4: 101-1,000 |
| Philadelphus coronarius | ···· | shrub) | | | | | · · · · · · · · · · · · · · · · · · · | 5: >1,000 |
| Pulmonaria officinalis (G-cover) | · · · · · · · · · · · · · · · · · · · | | • | | · · · · | | | 1 |
| Rubus phoenicolasius | Wineberry | | | | | | | † |
| Iris pseudacorus (wetland) | Yellow Flag Iris | | | | | | | † |
| Ornithogalum umbellatum | Star of Bethlehem | | • | | | | | † |
| Viburnum opulus var. opulus | | shrub) | | † | | † <u> </u> | | 1 |
| Viburnum plicatum | · | shrub) | | | | | | 1 |
| Tier 4: Widespread | | , | | Pres | ence | | comments | 1 |
| | | | NE | SE | SW | NW | | Presence |
| Alliaria petiolata | Garlic Mustard | | | 1 | 1 | | | X: yes |
| Ligustrum vulgare | | hrub) | <u> </u> | | | | | |
| L. morrowii, L. tatarica | · · · · · · · · · · · · · · · · · · · | shrub) | <i></i> - | × | <u> </u> | | | 1 |
| Phalaris arundinacea | Reed Canarygrass | (10) | | † | † | $\dagger - \dagger$ | | 1 |
| Phragmites australis (wetland) | Phragmites | | | T^{-} | | | | 1 |
| Polygonum cuspidatum | Japanese Knotweed | | | | | | | - |
| Frangula alnus | | hrub) | | | × | X | | 1 |
| Rosa multiflora | | hrub) | % | × | × | | | - |
| Typha angustifolia, T. x.glauca | Cattails (wetland) | sar uibj | | 27 | ^` | | | 1 |
| Cirsium arvense | Canada thistle | | | | | | | - |
| Dipsacus fulionum | Common Teasel | | | | | | | 1 |
| Hesperis matronalis | Dame's Rocket | | | | | | | - |
| | | | | | - | | | - |
| Vinca minor (G-cover) | Periwinkle | l | | <u> </u> | <u></u> | <u> </u> | | |

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

| | | | | | | | FO | | BUFFE | R SA | MPL | ΕP | LOT | S (F | ront) | Reviewed by | (initial) | · ··· | _ (| |
|--------------------------|----------------------------|-------------|--------------|-------------|-------------|-------------------|---------|------------------------------|--------------------------|-----------------------------------------|--------------|--------|---------------------------|-----------|----------------|----------------------------------------------|--------------------|---------|------------|------------|
| Site II |): · · | PC | AF | י כ | 34 | \mathcal{A}^{E} | 5 / | NC | | | | | | DATE | :. O.6. | 12110 | D | 1.1 | İ | |
| Locatio | | | | | | -1-61 | | | Fill ir | bubl | ole(s |) if p | | | | sampled and f | | | | |
| AA C | enter | C | N | 0 | s | O E | = 0 | W | O Plo | t 1 | 0 | Plot | 2 | O F | Plot 3 | | | | | |
| Cill in hudolston | for all II | | ے ساد | | · · · · · · | D = E | anidua. | | Buffer N | | | | | | Absent: No tre | | | | | |
| | | | | | | | | | | | | | | | | : сапору. %); 3 = Heavy (40-75%) | ; 4 · · V | 'ery Ho | eavy (| : 75%) |
| Buffer | Canop | у Тур | e: @ |) (|) AI | bsen | t: () | Buffer | Canopy T | ype: (| 9 (|) Al | sent | : (| Buffer | Canopy Type: | 0 | Ab | sent | : () |
| Plot 1 | Lea | f Typ | c: 🌘 | 9 (| | | Flag | Plot 2 | Leaf T | ype: (|) (|) | | Flag | Plot 3 | Leaf Type: | 0 | | | Flag |
| Big Trees (>0 | 3m DBH) | 0 | 0 | \odot | | 0 | | Big Trees (| 0 3m DBH) | 0 0 | 0 | 0 | 0 | | Big Trees | (* 0 Sm ĐBH) | 0 | \odot | \odot | |
| Small Trees (=0 | 3m DBH | 0 | 0 | \odot | \circ | (| | Small Trees (| -0.3m DBH) | O C | 0 | 0 | 0 | | Small Trees | (<0.3m DBH) | $ \odot $ | 0 | 0 | |
| Woody Shrubs, (0,5m 5 | Saplings m HIGH) | 0 | 0 | 0 | 0 | 0 | | Woody Shrub (0.5m | s, Saplings -5m HGH) | $O \subset$ | 0 | 0 | 0 | | | ubs, Saplings im-5m HIGH) | 0 | 0 | 0 | |
| Woody Shrubs, (<0.5 | Saplings m HIGH) | 0 | (29) | (3) | 0 | 0 | | Woody Shrub (<0 | s, Saplings (Sm HIGH) | 0 (| 0 | 0 | 0 | | | bs, Saplings 0.5m HIGH) | 0 | 0 | 0 | |
| Herbs. Fo | rbs and Brasses | 0 | (2) | 0 | 0 | 0 | | Herbs F | orbs and Grasses | 0 (| 0 | 0 | 0 | | Herbs | Forbs and Grasses O | | | 0 | |
| | ground | 0 | 0 | Ō | 0 | 0 | İ | Bare | | | 0 | 0 | 0 | | Bar | e ground 🕦 🕦 | 0 | 0 | 0 | |
| Litte | er, duff | 0 | 0 | 0 | (3) | 0 | | Lif | ter. duff | 0 (| 0 | 0 | 0 | | 1. | itter. duff | (3) | 0 | 0 | |
| | Rock | (| 0 | 0 | 0 | 0 | | | Rock (| | 0 | 0 | 0 | | | Rock (1) | <u>(1)</u> | 0 | Ō | |
| | Water | 0 | Ō | <u>(1)</u> | 0 | 0 | | | | 0 (| 0 | O | \odot | | | Water 💿 🕦 | 0 | Ŏ | <u>(1)</u> | |
| | merged | | Ō | \circ | Ō | $\tilde{\odot}$ | | | thmorood e | 0 | 0 | Ŏ | $\overset{\smile}{\odot}$ | | | Submerged () | $\overline{\odot}$ | Ŏ | <u>0</u> | |
| | getation or Pres | 4 | 1 | send | | I | rm that | lagrage on a consequence | | | | | | Lunfilled | L | vegetation C C C Cates absence by filli | | s bub | | 6) |
| | ential | | | | | | | | Hydrology | | | | | | | Agricultural & Ru | | | | |
| Fill bubble i | | | . | 1 | 2 | 3 | Flag | | if present | | 1 | 2 | 3 | Flaq | | if present - Plot | 1 | 2 | 3 | Flag |
| Road - grav | | | | 0 | 0 | 0 | | | hannelizatio | | 0 | 0 | 0 | | Pasture/Ha | | 0 | 0 | 0 | |
| Road - two | | | | 0 | 0 | 0 | | Dike/Dam/ | Road/RR E | | 0 | O | 0 | | Range | | 0 | Ö | 0 | |
| Road - four | lane | | | 0 | Ö | 0 | | Water Lev | vv) el Cantrol S | tructure | | Ö | Ö | | Row Grops | | ŏ | ŏ | 0 | |
| Parking Lot | /Paven | nent | | 0 | 0 | O | - • ·· | Excavation | , Dredging | | Ō | Ō | Õ | | Fallow Fiel | d (RECENT-RESTING | ō | Ö | Ō | |
| Golf Course | 3 | | | Ō | 0 | O | - | Fill/Spoil B | anks | 1000 1000 1 1100 000 | 0 | 0 | O | | | d (OLD - GRASS, | O | Ō | Ō | |
| Lawn/Park | | | | O | 0 | 0 | | Freshly De | posited Se | diment | 0 | Ó | 0 | | Nursery | 11.521 | 0 | O | 0 | |
| Suburban F | Residen | ntial | | 0 | 0 | 0 | | 1. 2, | Root Exposi | ure | O | 0 | O | | Dairy | | 0 | 0 | 0 | |
| Urban/Multi | ifamily | | | 0 | 0 | 0 | | Wall/Ripra | p . | *************************************** | 0 | 0 | 0 | | Orchard - | | 0 | 0 | 0 | |
| Landfill | | | | 0 | 0 | 0 | | Inlets, Out | ets | | 0 | 0 | 0 | | Confined A | nimal Feeding | 0 | 0 | 0 | |
| Dumping | | | | 0 | 0 | 0 | | Point Sour | IR STÓRMWA | TER) | 0 | 0 | O | | Rural Resi | dential | 0 | 0 | 0 | |
| Trash | | | | 0 | 0 | 0 | | Impervious (SHEETFLOW | surface in | out | 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 | | Ofher: | | 0 | 0 | 0 | |
| Indus | trial D | evel | opm | ent S | Stres | sor | \$ | | | | | Habit | at/V | egeta | tion Stress | sors | | | | |
| Fill bubble | if pres | ent - l | Plot | 1 | 2 | 3 | Flag | Fill bubble | if present | - Plot | 1 | 2 | 3 | Flag | Fill bubb | le if present - Plot | 1 | 2 | 3 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | | Forest Clea | r Cut | | 0 | 0 | 0 | | Herbicide U | lse | 0 | 0 | 0 | |
| Gas Wells | | | | 0 | 0 | 0 | | Forest Sele | ctive Gut | | 0 | 0 | 0 | | Mowing/Sh | rub Cutting | 0 | 0 | 0 | |
| Mine (surfa | ce) | | | 0 | 0 | 0 | | Tree Planta | fion | | 0 | 0 | О | | Trails | | 0 | 0 | 0 | |
| Mine (under | rarounc | d) | , | O | 0 | o | | Tree Canop | | ļ | 0 | 0 | 0 | | Soil Compa | | Ŏ | Ō | ŏ | |
| Military | | | | 0 | 0 | 0 | | (INSECT) Shrub Laye | | | 0 | 0 | 0 | | (ANIMAL OR F | icle damage | 0 | 0 | 0 | |
| | | | | | | | | (WILD OR DON Highly Graz | ed Grasses | | | + | | | Soil crosion | T (FOM WIND, WATER. | | | | |
| Other: | | : | | 0 | 0 | 0 | | (OVERÁLL <3" Recently Bi | HIGH) | | 0 | 0 | 0 | | | <u>) </u> | 0 | 0 | 0 | |
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| | g codes ffer Sar | | | | | Exp | | uspect measi lags in comm | | | | | | igned b | y each field c | rew. 242 | 8168 | 304 | | |

| | | | | | ER SAMPLE PLOTS - | | | | | Reviewed by | z (iņitiai |): | | |
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| Site ID: | <u>f</u> | <u>A</u> | <u>P</u> _ | <i>3</i> 40 | 25 NC | DAT | E: _(| <u> </u> | <u></u> | 21/2011 | | | | |
| © Confirm | a fille | ed da | ıta bı | ubble n | ndicates presence and an un | filled I | oubbl | e inc | licates | absence by filling in this bubl | ble | | | |
| 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 Watermilloil | 0 | 0 | 0 | <u> </u> | Purpte 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 | Ο. | 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 Frefoil | 0 | 0 | 0 | | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Canada Thistle | 0 | 0 | 0 | | Leafy Spurge | 0 | O | 0 | | Other: | 0 | 0 | 0 | |
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Buffer Sample Points - Targeted Alien Species 05/27/2011

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| Location | care to the second | | | | | | | | Fill | in b | ubb | le(s) | ifp | lot(s | | | sampled and f | | | | . [.] |
| OAAC | Center | r (| ÐN | 0 | s | O E | E 0 | w | OP | lot ' | 1 | 01 | Plot | 2 | O F | Plot 3 | | | | | ! - |
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| | | | | | | | | | | | | | | | | | %); 3 = Heavy (40-75% |); 4 ⋯ \ | 'ary Ha | eavy (| (>75%) |
| Buffer Plot 1 | | | pe: 🏈 | | | bsen | t: (| Buffer Plot 2 | Canopy | | ie: (ic: (| | | sent | : () Flag | Buffer Plot 3 | Canopy Type: (6) | \sim | Ab | sent | : 🔘 Flag |
| - Big Trees (> | | 10 | - 1 ~ ~ ĭ | 0 | 3 | (1) | liug | Big Trees (| | $\overline{}$ | Ō | 0 | | 0 | | Big Trees | (:-0 3m DBH) | $\widetilde{\Omega}$ | \bigcirc | <u>(1)</u> | 1 109 |
| mall Trees (< | :0 3m DBF | | | Ö | (| 0 | | Small Trees (| :0 3m DBH) | 0 | 0 | Ŏ | Ŏ | | | Small Trees | (<0.5m Dk3H) 0 1 | 0 | Ŏ | Ŏ | |
| Needy Shrubs | s, Saplings 5m HIGH | | 0 | (A) | 0 | 0 | | Woody Shrut | s, Saplings -5m HtGH) | O | | @ | Ō | Ō | | | ibs, Saplings m-5m HtGI-t) | 0 | Ō | 0 | |
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| Herbs F | | ن ا | | 0 | @ | 0 | | | Forbs and Grasses | 0 | 0 | @ | Ŏ | $\widetilde{\odot}$ | | | Forbs and Grasses O O | <u>*************************************</u> | Ŏ | Ŏ | |
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| | Rock | 0 | (| ① | (1) | 0 | | | Rock | (2) | Ō | 0 | 0 | <u>(1)</u> | | | Rock O | 0 | 0 | <u></u> | |
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| Resi | dentia | Land | d Urba | an St | tress | ors | | | Hydrolo | gy S | tres | sors | | | | | Agricultural & Ru | ıral S | tres | sors | |
| ill bubble | if pres | ent · | - Plot | 1 | 2 | 3 | Flag | Fill bubbl | e if prese | >nt ~ l | Plot | 1 | 2 | 3 | Flag | Fill bubble | if present - Plot | 1 | 2 | 3 | Flag |
| Road - gra | avel | | | 0 | 0 | 0 | | Ditches, C | hanneliza | ation | | 0 | 0 | 0 | | Pasture/Ha | ıy | 0 | 0 | 0 | |
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| Lawn/Park | · . · · · · · | | | 0 | 0 | 0 | | Freshly Do | ri÷D) | | | 0 | 0 | 0 | | Nursery | | 0 | 0 | 0 | |
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| Landfill | | | | 0 | 0 | 0 | | Inlets, Out Point Sour | | | | 0 | 0 | 0 | | Rural Resid | nimal Feeding | 0 | 0 | 0 | |
| Dumping | | | | 0 | 0 | 0 | | (EFFLUENT (| DRISTORMV s surface | NATER input | 3) | 0 | 0 | 0 | | Gravel Pit | | 0 | 0 | 0 | _, |
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| -ill bubble | if pres | ent · | - Plot | 1 | 2 | 3 | Flag | Fill bubble | if prese | nt - I | Plot | 1 | 2 | 3 | Flag | Fill bubb | le if present - Plot | 1 | 2 | 3 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | , | Forest Clea | ır Gut | | | 0 | 0 | 0 | | Herbicide U | lse | 0 | 0 | 0 | |
| Gas Wells | | | | 0 | 0 | 0 | | Forest Sele | | | | 0 | 0 | 0 | | Mowing/Sh | Malanatan lakkat li tirila Milananan | | 0 | 0 | |
| Mine (surfi | ace) | | <u></u> | 0 | 0 | 0 | | Tree Planta | ıtion | | | 0 | 0 | 0 | | Trails | | | (3) | 0 | |
| Mine (unde | ergroun | d) | | 0 | 0 | 0 | 2002-00-00 | Tree Canor | | ότ y | | 0 | Ō | Ŏ | v | Soil Compa (ANIMAL OR FI | | Ø | S | Ŏ | |
| Military | | ~~~. | | 0 | 0 | 0 | | Shrub Laye (WILD OR DO | r Browse | d | | Ø | Ø | 0 | | · | iicle damage | 0 | 0 | ō | |
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| Other: | ······································ | | | 0 | 0 | 0 | | Canopy Recently Bi | irned Gra | asslar | nd | 0 | 0 | 0 | | Other: | | 0 | 0 | 0 | |
| | ag code | s: K = | No me | li | l | L1 | o, U=S | (BLACKENED) uspect meas | urement | F1.F3 | 2, etc | | L | l | | y each field c | rew. | | \mathcal{L} | | I |
| • | ." uffer Sa | | | | | Exp | | lags in comn | | | | | | | | | 242 | 8168 | 5JU4 | • | |

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|----------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|---------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------|----------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------|------|---------------|-----------------------------------------|
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| • | Oonfirm | a fille | ed da | ta bı | ıi əlddı | ndicates presence and an unf | illed I | oubbl | e ind | licates | absence by filling in this bub | ble | | | |
| ill bubble if pro | esent - Plot | 1 | 2 | 3 | Flag | Fill bubble if present - Plot | 1 | 2 | 3 | Flag | Fill bubble if present - Plot | 1 | 2 | 3 | Flag |
| Eurasian Watern | milfoil | 0 | 0 | 0 | | Purple Loosestrite | 0 | 0 | 0 | · | Johnson Grass | 0 | 0 | O | |
| Vater 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 Pépperwéed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| - Fartic 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 | Q | *************************************** |
| Mile-A-Minute W | /eed | 0 | 0 | 0 | | Reed Canary Grass | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Birdsfoot Trefeit | | 0 | 0 | 0 | | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Canada Thistle | | 0 | 0 | 0 | İ | Leafy Spurge | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| | | | 1 | .L | | | 1 | | .! | J | Other | 0 | 0 | 0 | |
| **** | 1 | | | | | PLOT COORI | DINA | TES | | | | 1 | 1 | | |
| lots are centere ag box, and des ither placed as o | ed on the Burscribe where close to the | ffer Tr the c cente | ranse coordi er of P | ects a inate Plot 3 | and the s were l as pos | coordinates will indicate the loc | ation section | of the in bel | tran ow. 1 | isect. Fi The coo | TRANSECT. This is important ill in the "nearest practicable loc rdinates of the nearest practicat | ation" | bubb | le, fi | li in th be |
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| Locati | | | | | | | | | , , , , , , , , , , , , , , , , , , , | Fill | in b | ubb | le(s) |) if p | lot(s | A DESCRIPTION OF THE R | ıld not be sampled an | | > | <u>. </u> | <u>1</u> |
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| Till in hubbl | an for a | l #b.cf.o | nnler (| ` an an | | | - D | a oiduou | | Buffer | | | | | | | Shooned blod | | | | |
| | | | | | | | | | | | | | | | | | Nosent: No tree canopy. oderate(10-40%); 3 = Heavy (40- | 75%); 4 = ' | Very H | eavy (| > 75%) |
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| mall Trees (| :0 3m DI | 3H) (C) | \circ | ÌČ | | 5 | (| | Small Trees (| | | Ŏ | Ŏ | © | $\widetilde{\odot}$ | | Small Trees (<0.3m DBH) | 00 | Ø | Ŏ | |
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| | egetati | on 🐷 | | | |) | \odot | | 1 | /egetation | | \odot | \bigcirc | \bigcirc | \circ | | Vegetation 🔍 | 0 0 | $ \Theta $ | \odot | |
| Stress | or Pr | esen | ce/A | bser | ice | ~ (. | Confi | rm that | a filled data | bubble ii | ndica | tes pr | esen | ce an | d an | unfilled | bubble indicates absence b | y filling th | is but | ble. | @ |
| Resi | denti | al and | d Url | oan S | Stre | ess | ors | | and the relation of the second of the second of the second | Hydrolo | gy S | tres | sors | | | | Agricultural 8 | Rural | Stres | sors | i |
| ill bubble | if pro | sent · | - Plot | 1 | 1 | 2 | 3 | Flag | Fill bubbl | e if prese | nt - | Plot | 1 | 2 | 3 | Flag | Fill bubble if present - Ple | ot 1 | 2 | 3 | Flag |
| Road - gra | avel | | | C |) (| О | O | | Ditches, C | | | | 0 | 0 | 0 | | Pasture/Hay | 0 | 0 | 0 | |
| Road - tw | o lane | | | C |) (| О | 0 | | Dike/Dam. (IMPEDE FLO | | R Bed | | 0 | 0 | 0 | | Range | 0 | 0 | 0 | |
| Road - fo | ur lane | | | О |) (| С | 0 | | Water Lev | el Contro | l Stru | icture | 0 | 0 | 0 | | Row Crops | 0 | 0 | 0 | |
| Parking Li | ot/Pav | ement | | 0 |) (| \circ | 0 | | Excavation | n, Dredgir | ng | | 0 | 0 | 0 | | Failow Field (RECENT-RESTIN ROWCROPTIELD) | 6 O | 0 | \circ | |
| Golf Cour | se | | | 0 |) (| Ç | 0 | | Fill/Spoil E | | | | 0 | 0 | 0 | | Fallow Field (OLD - GRASS, SHRUBS, TREES) | 0 | 0 | 0 | |
| Lawn/Parl | \ | er og a 1 sagradar raden | | 0 |) (| С | 0 | | Freshly De (UNVEGETAT | | Sedin | nent | 0 | 0 | 0 | | Nursery | 0 | 0 | 0 | |
| Suburban | Resid | ential | | 0 |) (| С | 0 | | Soil Loss/ | Root Exp | osure | 2 | 0 | 0 | 0 | | Dairy | 0 | 0 | 0 | |
| Urban/Mu | ltifamil | y | | 0 |) (| С | 0 | | Wall/Ripra | ф | | | 0 | 0 | 0 | | Orchard | 0 | 0 | 0 | |
| Landfill | | | | 0 |) (| C | 0 | | Inlets, Out | | | | 0 | 0 | 0 | | Confined Animal Feeding | 0 | 0 | 0 | |
| Dumping | | | | 0 |) (| С | 0 | | Point Sour (EFFLUENT C Impervious | ce/Pipe or storm | NATER | () | 0 | 0 | О | | Rural Residential | 0 | 0 | 0 | |
| Trash | | | 010:0201/8/2 | 0 |) (| С | 0 | | Impervious (SHEETFLOV | | input | | 0 | 0 | 0 | | Gravel Pit | 0 | 0 | \circ | |
| Other: | | | | |) (| С | 0 | | Other: | | | | 0 | 0 | 0 | | Irrigation | 0 | 0 | 0 | |
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| Indu | strial | Deve | lopn | nent | Stı | es | sors | • | | | | | ŀ | labi | tat/V | egeta | tion Stressors | | | | |
| ill bubble | if pre | sent | - Plot | . 1 | | 2 | 3 | Flag | Fill bubble | if prese | nt - I | Plot | 1 | 2 | 3 | Flag | Fill bubble if present - P | lot 1 | 2 | 3 | Flag |
| Oil Drilling |) | | | С |) (| 2 | 0 | | Forest Clea | ır Gut | | | 0 | 0 | 0 | | Herbicide Use | 0 | 0 | 0 | |
| Gas Wells |) | | | С | | | 0 | | Forest Sele | | | | 0 | 0 | 0 | | Mowing/Shrub Cutting | 0 | 0 | 0 | |
| Mine (surf | ace) | · · · · · · · · · · · · · · · · · · · | · | C | |)) | 0 | | Tree Planta | | | | 0 | 0 | 0 | | Trails | 0 | 0 | O | |
| Mine (und | | nd) | | C | | 2 5 | 0 | | Tree Canor | | ory | | 0 | 0 | 0 | | Soil Compaction | 0 | 0 | 0 | |
| · · · · · · · · · · · · · · · · · · · | | . 1013 | | | | | | | (INSECT) Shrub Laye | r Browse | d | | | | <u> </u> | | (ANIMAL OR HUMAN) | | | ~.~ | |
| Military | | | | C | + |) ` | 0 | | (WILD OR DON Highly Graz | MESTIC) | | | Ø | Ø | Ø | | Offroad vehicle damage Soil erosion (FROM WIND, WAY | LR O | 0 | 0 | |
| Other: | | | | C | + | | 0 | | (OVERALL <3" Recently Bu | HIGH) | | | 0 | 0 | 0 | | OR OVERUSE) | 0 | 0 | 0 | |
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| ● Fl | ag cod | es: K ≃ | No m | easu | rem | ent i | | | uspect meas lags in comn | | | | | | | lgned b | y oach field crew. | 42816 | 8304 | 1 | |
| - В | uffer S | amplo | 2 Plot | s 0 | 5/2 | 7/2 | | | | | | | | | | | | - | | | - |

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| Confirm | a fille | ed da | ıta bı | ubble i | ndicates presence and an un | | | | | absence by filling in this bub | ble | | • | |
| Fill bubble if present - Plot | ···· | 2 | 3 | 1 | Fill bubble if present - Plot | 1 | 2 | 3 | Τ | Fill bubble if present - Plot | 1 | 2. | 3 | Flag |
| Eurasian Watermilfoil | 0 | 0 | 0 | | Purple Loosestrife | 0 | 0 | 0 | | Johnson Grass | 0 | 0 | | |
| Water hyacinth | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 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 | o | |
| Garlie Mustard | 0 | Ö | 0 | | Giant Reed | 0 | 0 | 0 | | Himalayan Blackberry | 0 | 0 | 0 | · Louis to And |
| Poison Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | 0 | 11 | Tamarisk | 0 | 0 | 0 | |
| Mile-A-Minute Weed | 0 | 0 | 0 | | Reed Canary Grass | O | 0 | O | | Other: | 0 | 0 | 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 | |
| | | d | -t | | | 4: | 4 | | 1 | Other: | 0 | 0 | 0 | |
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| | | | | | | | | | | | | | | | | Absent: No tree oderate(10-409 | e canopy. %); 3 = Heavy (| 40-75% |); 4 = \ | /ory He | зауу (| ≥75 %) |
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| Bare | ground | 0 | 0 | 0 | 0 | 0 | | Baro | ground | 0 | (2) | 0 | 0 | \odot | | Bar | e ground | $ \odot $ | $ \odot $ | 0 | 0 | |
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| | Rock | (3) | 0 | 0 | 0 | 0 | | | Rock | 0 | 0 | 0 | 0 | 0 | | | Rock @ | | | | 0 | |
| | Water | 0 | 0 | 0 | 0 | 0 | | | | (| 0 | 0 | 0 | 0 | | | Water 6 |) () | | 0 | 0 | |
| | bmerged | (A) | Ō | $\overline{\bigcirc}$ | Ō | 0 | | | ubmerged | 0 | O | Ŏ | $\widetilde{\odot}$ | $\widetilde{\bigcirc}$ | | | Submerged 6 | | 0 | Ŏ | Ŏ | |
| | egetation or Pres | | | \sim | | J | rm that | (| egetation bubble in | L | | | \sim \perp | | unfilled | L | Vegetation Sales absenc | | استسا | | \simeq 1 | Ø |
| Resid | dential | and | Urba | an Si | ress | ors | | | Hydrolo | av S | tres | sors | | | | | Agricultura | I & Ri | ıral S | itres | sors | |
| ill bubble | | **** | | 1 | 2 | 3 | Flag | Fill bubble | | | *********** | 1 | 2 | 3 | Flag | | if present - | | 1 | 2 | 3 | Flag |
| Road - gra | | | | 0 | 0 | 0 | | Ditches, C | | | | 0 | O | O | | Pasture/Ha | | | 0 | | 0 | |
| Road - two | | | | 0 | 0 | 0 | | Dike/Dam | Road/RF | | | 0 | 0 | ō | | Range | 'y | | 0 | 0 | 0 | |
| Road feu | | | | 0 | 0 | 0 | | (IMPEDE FLO Water Lev | | l Stri | cfure | + | 0 | 0 | | Row Crops | | | 0 | 0 | 0 | |
| Parking Lo | | nent | | 0 | 0 | 0 | | Excavation | | | | 0 | 0 | 0 | | Fallow Fiel | d (RECENT-RES | STING | 0 | 0 | 0 | |
| Golf Cours | ** | | | 0 | 0 | 0 | | Fill/Spoil E | ~ | | | 0 | 0 | 0 | | | d (OLD - GRASS | | 0 | ŏ | ŏ | |
| Lawn/Park | | .,,,- | | 0 | 0 | 0 | | Freshly De | posited S | Sedin | nent | 0 | 0 | 0 | | SURUBS, TRE | ES | | 0 | 0 | 0 | |
| Suburban | | ntial | | 0 | Ö | O | | CUNVEGETAT | | osure | | 0 | O | 0 | | Dairy | | | 0 | | 0 | |
| Urban/Mul | | | | 0 | 0 | 0 | | Wall/Ripra | | | | 0 | 0 | 0 | | Orchard | | | 0 | | 0 | |
| Landfill | | | | 0 | 0 | 0 | | Inlets, Out | | | | 0 | 0 | 0 | | Confined A | nimal Feedir | a | 0 | 0 | 0 | |
| Dumping | | W 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 0 | Ö | 0 | | Point Sour | ce/Pipe | | | 0 | 0 | 0 | | Rural Resid | | ·\$ | 0 | 0 | 0 | |
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| Other: | | | | 0 | 0 | 0 | | (SHEETFLOV Ofher: | | | | 0 | 0 | 0 | | Irrigation | | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Other: | | | 0 | $\frac{3}{3}$ | 0 | |
| | strial D | evel | opm | 1 | l | | S | | | | | | | نستا | egeta: | tion Stress | | | | | | |
| Fill bubble | | | | 1 | 2 | 3 | | Fill bubble | if prese | nt - I | Plot | 1 | 2 | 3 | Flag | | le if present | - Plot | 1 | 2 | 3 | Flag |
| Oil Drilling | ·•• | | | 0 | 0 | 0 | <u>-</u> | Forest Clea | | | | 0 | 0 | 0 | | Herbicide U | 1881 - 1411-1411-1411-1411-1411-1411-141 | | 0 | 0 | 0 | 3 |
| Gas Wells | | | **** | 1 | | 0 | | | | | | | | <u> </u> | | | | | 0 | | | |
| Mine (surfa | | — — | | 0 | 0 | | | Forest Sele | | | | 0 | 0 | 0 | | Mowing/Shi | an camid | | | 0 | 0 | |
| | | | | 0 | 0 | 0 | S. 11. 14. 15. | Tree Planta Tree Canor | | orv | | 0 | 0 | 0 | | Trails Soil Compa | iction | ·········· | 0 | 0 | 0 | |
| Mine (unde | erground | u) | ~ | 0 | 0 | 0 | | (INSECT) Shrub Laye | | | | 0 | 0 | 0 | | (ANIMAL OR H | UMAN) | | 0 | 0 | 0 | |
| Military | | | | О | 0 | 0 | | (WILD OR DOM | MESTIC) | | | ⊗ | @ | 0 | | | icle damage | | 0 | 0 | 0 | |
| Other: | | | | О | 0 | 0 | | Highly Graz (OVERALL <3" | HIGH) | | | 0 | 0 | 0 | | | TEROM WIND.) | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Recently Bu Canopy | | | | 0 | 0 | 0 | | Other: | | | 0 | 0 | 0 | |
| Other: | | | _ | 0 | 0 | 0 | | Recently Bu (BLACKENED) | uned Gra | asslat | nd | О | 0 | 0 | | Other: | | | 0 | 0 | 0 | |
| ● Fla | ig codes | : K = I | No me | asure | ment | | | uspect meas lags in comm | | | | | | | igned b | y each field c | rew. | 242 | 8168 | 3304 | . (| |
| Ві | ıffer Sai | mple | Plots | 05, | /27/2 | | rappe did to | aga in cuiti | այր ազենկե | , ii Oil | ALC DO | LON UI | ens it | 111 | | | | | | | • | _ |

| ® Confirm | a fillo | ed da | ta bu | ıbble ir | ndicates presence and an unfi | illed l | oubbl | e ind | licates | absence by filling in this bubl | ole | | | |
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| 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 |
| asian Watermilfoil | 0 | 0 | 0 | | Purple Loosestrife | 0 | 0 | 0 | | Johnson Grass | 0 | 0 | 0 | |
| iter hyacinth | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 0 | 0 | 0 | |
| low Floating Heart | 0 | 0 | 0 | | Japanese Knotweed | 0 | 0 | O | | Multiflora Rose | 0 | 0 | 0 | |
| ınt Salvinia | O | O | 0 | | Perennial Popperweed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| rlic Mustard | 0 | 0 | 0 | | Giant Reed | 0 | 0 | О | | Himalayan Blackberry | 0 | 0 | О | |
| son Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | O | | Tamarisk | 0 | 0 | 0 | |
| e-A-Minute Weed | 0 | 0 | 0 | | Reed Canary Grass | 0 | 0 | О | | Other: | 0 | 0 | 0 | |
| dsfoot Trefoil | 0 | 0 | 0 | | Common Reed | 0 | 0 | O | | Other: | 0 | 0 | 0 | |
| nada Thistle | 0 | 0 | 0 | | Leafy Spurge | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
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FORM B-1: BUFFER SAMPLE PLOTS - TARGETED ALIEN SPECIES (Back)

| | | | | | | | FOI | RM B-1: | BUFF | ER | SAI | NPL | ΕP | LOI | S (F | ront) | Reviewed b | y (initial |): | (| • |
|---------------------------------|----------------------------------------|---------|------------|--------------|----------|----------------|---------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|------------|----------|------------|----------|-------------------------|---------------------------------|------------|----------------------------------------|------------|----------|
| Site | D: | CF | P | 3 | 12 | 5 | N | ^ | | | | | | | DATE | : 06. | 12112 | 0 | 1.1 | | |
| Locati | | | , | | | | | | Fill | in b | ubb | le(s |) if p | lot(: | s) coi | · | sampled and | | ······································ | Ī | |
| OAAC | Center | | N | 0 | S | O E | 6 | W | O F | lot | 1 | 0 | Plot | 2 | O F | Plot 3 | | | | | |
| Fill in bubble | es for all t | hat an | nlv: Ca | nopy ' | Tyne: | 1) = F |)eciduou | | Buffer | | | | | | | Absent: No trav | canony | | | | |
| Strata Section | on: Fill in | approj | priate o | cover o | otass I | bubble | for eac | n strata type fo | F = Evergreen Leat Type: B = Broadicaf; N = Needle Leaf Absent: No tree canopy. strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy. | | | | | | | | | еачу (| >75%) | | |
| Buffer | Canop | | | \sim | : | bsen | t: () | Buffer | Canop | | <u>**</u> | |) A | bsen | t: O | Buffer | Canopy Type: | | | sent | : () |
| Plot 1 | · ·-— | Τ | e: @ |) (<u>'</u> | | | Flag | Plot 2 | Lea | f Typ | ре: (С | () |) | | Flag | Plot 3 | Loaf Type: (| | | т | Flag |
| Big Trees (> | 0.3m DBH | | \bigcirc | \bigcirc | (| 0 | | Big Trees (| 0.3m DBH) | 0 | 0 | O | 0 | Ø | | Big Trees (| >0 3m DBH) | | | 0 | |
| mail Trees (| | 1 = | 0 | \circ | 0 | 0 | | Small Trees (| | 0 | \odot | \circ | 0 | 0 | | Small Trees (| | $ \Theta $ | XX | @ | |
| | 5m HIGH) | 0 | 0 | | 0 | 0 | | | i 5m HtGH) | 0 | 0 | (2) | 0 | 0 | | ł | n 5m ÉtiGÉB) 🔘 🖰 | (2) | \odot | 0 | |
| | 5m HIGH) | 0 | (| \odot | \circ | 0 | | | 5m HIGH) | 0 | (4) | O | 0 | <u>()</u> | | | 0.5m î IIGÜ) 😃 🧶 | 0 | 0 | 0 | |
| Flerbs. In | orbs and Grasses | 0 | 0 | (4) | \circ | 0 | : | Herbs i | Forbs and Grasses | 0 | 6 | 0 | 0 | <u> </u> | | Herbs | Forbs and Grasses | $ \odot $ | 0 | 0 | |
| Bare | ground | 0 | 0 | 0 | 0 | 0 | | Baro | ground | @ | \odot | 0 | 0 | ① | | Bare | ground 🚳 🕒 | 0 | 0 | 0 | |
| Litt | ter, duff | 0 | 0 | (3) | 0 | 0 | | Li | lter duff | 0 | 0 | 0 | 0 | (6) | | Li | ffer. duff 💿 🕒 | 0 | 0 | (2) | |
| | Rock | 0 | 0 | 0 | 0 | 0 | j | | Rock | (| 0 | 0 | 0 | <u>(1)</u> | | | Rock 🔞 🕦 | 0 | | 0 | |
| | Water | 0 | 0 | 0 | 0 | 0 | | | Water | 0 | O | О | 0 | 0 | | | Water 🛈 | 0 | 0 | 0 | |
| | bmerged egetation | 0 | 0 | \circ | 0 | 0 | | | ubmerged regetation | (2) | 0 | 0 | 0 | <u> </u> | | | ubmerged 🚱 🖸 | 0 | <u>(1)</u> | Ŏ | |
| to strain states about the con- | | | e/Ab | senc | e - 1 | u III Confi | rm that | | ····· | J | ites pi | | ce an | d an | unfilled | L | ates absence by fil | ling thi | | ble. | ② |
| | dential | | | | | | | | Hydrolo | | | | - | | | | Agricultural & R | | | | |
| ill bubble | if pres | ent - i | Plot | 1 | 2 | 3 | Flag | Fill bubble | | | | 1 | 2 | 3 | Flag | | if present - Plot | 1 | 2 | 3 | Flag |
| Road - gra | | | | 0 | 0 | 0 | | Ditches, C | | | MI | 0 | 0 | O | 3 | Pasture/Hav | | 0 | 0 | o | |
| Road - two | | | | 0 | 0 | o | | Dike/Dam/ | Road/RF | | | 0 | Ö | 0 | | Range | y | 0 | 0 | 0 | |
| Road - fou | r lane | | | 0 | 0 | O | * ***** | (IMPEDE FLC Water Lev | | l Stru | ıcture | | 0 | Ö | | Row Crops | | 0 | 0 | 0 | |
| Parking Lo | t/Paven | ent | | 0 | 0 | Ö | | Excavation | ı, Dredgir | nq | | O | 0 | 0 | | Fallow Field | (RECENT-RESTING | 0 | 0 | 0 | |
| Golf Cours | :e | | | 0 | 0 | Ö | | Fill/Spoil B | anks | | | Ö | Ö | 0 | | | (OLD - GRASS, | 0 | Ö | ŏ | |
| Lawn/Park | : | | | 0 | 0 | Ō | | Freshly Do | | Sedin | nent | O | Ō | Ō | | SHRUBS, TREE Nursery | -:5) | O | Ö | 0 | |
| Suburban | Resider | ntial | | 0 | 0 | 0 | | Soil Loss/f | | osure | ····· | Ō | Ō | Ō | | Dairy | , w | 0 | O | Ö | |
| Urban/Mul | tifamily | | | 0 | 0 | 0 | | Wall/Ripra | b) | | | Ō | Ō | Ō | | Orchard | | Õ | Ŏ | Õ | |
| Landfill | • | | | 0 | 0 | 0 | | Inlets, Out | lets | | | 0 | 0 | 0 | | Confined Ar | nimal Feeding | 0 | 0 | Ō | |
| Dumping | | | 1,101/0000 | 0 | 0 | 0 | | Point Sour (EFF) DENT C | ce/Pipe or s rokwy | VATE F | 5) | 0 | Ô | O | | Rural Resid | ential | 0 | Ō | O | |
| Trash | | | | 0 | 0 | 0 | | Impervious (SHEETFLOV | surface | input | [2 | (3) | O | 0 | | Gravel Pit | | 0 | O | 0 | |
| Other: | | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Irrigation | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Other: | | 0 | 0 | 0 | |
| Indus | trial D | evel | opme | ent S | tres | sors | 3 | | - | | | ŀ | labii | at/V | egetat | tion Stress | | .1 | | | |
| ill bubble | if pres | ent - l | Plot | 1 | 2 | 3 | Flag | Fill bubble | if preser | nt · I | Plot | 1 | 2 | 3 | Flag | Fill bubbl | e if present - Plot | 1 | 2 | 3 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | - | Forest Clea | r Cuf | | | 0 | 0 | 0 | | Herbicide Us | | 0 | 0 | 0 | |
| Gas Wells | ************************************** | | • | 0 | 0 | 0 | | Forest Sele | | | | 0 | 0 | 0 | | Mowing/Shru | W-1 | 0 | 0 | 0 | |
| Mine (surfa | ace) | | | Ŏ | O | 0 | | Tree Planta | | | | 0 | 0 | 0 | | Trails | as ourning | 0 | 0 | 0 | |
| Mine (unde | | | | 0 | Ö | 0 | | Tree Canop | | ory | | 0 |) | | | Soil Compac | | | | | |
| Military | | | | | | | | (INSECT) Shrub Layei | Browse | d | - | | | 0 | | (ANIMAL OR HIL | | ® | 0 | 0 | |
| | | | | 0 | 0 | 0 | · · · · · · · · · · · · · · · · · · · | (WILD OR DON Highly Graz | ESTIC) | | | 0 | ® | (4) | | Offroad vehi | cle damage (FROM WIND WATER: | 0 | 0 | 0 | |
| Other: | w | | - | 0 | 0 | 0 | | (OVERALL <3" Recently Bu | HIGH) | | | 0 | 0 | 0 | | OR OVERUSE) | | 0 | 0 | 0 | |
| Other: | 11.1.5. 414 | | | 0 | 0 | 0 | | Canopy | | | 24 | 0 | 0 | 0 | | Other: | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Recently Bu (BLACKENED) | | | | 0 | 0 | 0 |] | Other: | | 0 | 0 | \circ | |
| ● Fla | g codes: | K=N | vio me: | asurei | ment | | | ispect measi ags in comm | | | | | | | gned by | y each field cre | ew. 2.42 | 8168 | 3304 | 4 | |
| Bt. | iffer Sar | nple I | Plots | 05/ | /27/2 | 2011 | (* | J | | | | | | | | | | | | • | - |

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| ∅ Confirm | a fille | ed da | ta bı | abble ir | dicates presence and an un | filled | bubb | e ind | licates | absence by filling in this bub | ble | | | |
| ill 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 |
| -urasian Watermilfoil | 0 | Ö | 0 | | Purple Loosestrife | 0 | 0 | 0 | , | Johnson Grass | 0 | 0 | 0 | |
| Water hyacinth | 0 | 0 | 0 | | Knotweed | 0 | 0 | 0 | | Kudzu | 0 | 0 | O | |
| Cellow Floating Heart | 0 | О | 0 | | Japanese Knotweed | 0 | 0 | 0 | | Multiflora Rose | 0 | 0 | 0 | |
| Siant Salvinia | 0 | 0 | 0 | | Perennial Pepperweed | 0 | 0 | 0 | | Common Buckthorn | 0 | 0 | 0 | |
| Sarlic Mustard | 0 | 0 | 0 | | Giant Reed | 0 | 0 | 0 | | Himalayan Blackberry | 0 | 0 | 0 | |
| oison Hemlock | 0 | 0 | 0 | | Cheatgrass | 0 | 0 | 0 | | Tamarisk | 0 | 0 | 0 | |
| Vile-A-Minute Weed | 0 | 0 | 0 | **** * *. · | Reed Canary Grass | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Birdsfoot Trefoil | 0 | 0 | О | F. PR. 1991 1-2-1 | Common Reed | 0 | 0 | 0 | | Other: | 0 | 0 | 0 | |
| Canada Thistle | 0 | О | 0 | | Leafy Spurge | О | 0 | 0 | | Other: | 0 | 0 | 0 | |
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| distance is to condition the FAVE AV AVE AVE AVE AVE AVE AVE AVE AVE A | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | PLOT COOR | DINA | TES | } | | | | | . • | |
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Buffer Sample Points - Targeted Alien Species

05/27/2011