| Project Label: | PCAP | _ P | lot No | : 124 Date Sampled: 803112 Lead: Barto |
|------------------------|-------------------------------------|------|--------|---|
| | | | | Comment required if item answer is NO |
| Parking/Access outsic | de of Park Boundaries: | 8 | N | If yes, write details in Comments section below |
| Field journals comple | | (Y) | N | |
| Site sketch made on 1 | | (V) | N | |
| Check cover page | X-axis Bearing of plot recorded | 0 | N | |
| | GPS coords. Recorded | (| N | 318.135 |
| | North direction recorded | 0 | N | 3 |
| | Photographs taken? | (Y) | N | |
| Plot No., Date agreem | | 8 | N | A1. 11.11 MAT A1.11 |
| Header data complete | | V | N | 7 |
| | d in all Intensive modules | Ø | N | |
| Browse Level By Spe | | (V) | N | |
| Woody stem quality of | | 8 | N | |
| Invasive plant quality | | 6 | N | |
| Ash trees mapped | CONTROL CHOCK | Ø | N | |
| Cover by Strata? (con | firm cover type) | Ø | N | |
| | with matching plot #. | 0 | N | |
| | latasheet with initials and number | Y | N | NA |
| Vouchers labeled on c | | Y | N | MA |
| Pink flags removed | conection dag | (Y) | N | 1/4/0-1 |
| Data sheet QA before | leaving site? | 8 | N | |
| Common equipment r | | Y | | |
| Data sheets scanned? | eturned to tub. | I | N | Enter date to left SC 8/31/12 |
| Final data sheets scan | d2 | | | Enter date to left |
| Buffer Widths measur | | (Y) | N | KEL 6-29-1-4 |
| Web Soil Survey | eu! | 8 | N | SC 8-31-17 |
| Voucher Location | P. Sin and a | Y | | 30 000 |
| | Refrigerator | 1 | N_ | Enter combando la G |
| (# vouchers collected) | Pr D Id N 11 41.5590 | 1.00 | | Enter number to left |
| GRTS point verificat | tic 14.3396 | 800 | | |
| Yes | 81.4170 | | 1 | |
| □ No | 81.9170 | 558 | | elow) |
| | | - | | |
| | | | | |
| | | | | |
| | | | | |
| Additional Commen | | | | |
| Parka | | | | |
| Need Pei | mission! | | | |

| Herb-Leasia orzyroides, Empotions capensis polygonum sagitatium | □ Systematic (grid) □ Capture specific feature □ Other | Authority: G&C Pub Date: 1998 |
|---|---|---|
| Herb-Leasia orz | a seriorit a custifica regident a transect component | |
| Herb-Leasia orz | ad Dandom - Trans | TAXONOMIC STANDARD |
| | Plot placement: GRTS - Representative | ichen |
| | Photo Nos.: 0258 | bryo |
| racerosa, consu | Camera No.: 4 | vascul. X n/a |
| Shorb-Rosa multitlera, Comus | Intensive modules: 2, 3, 8, 9 (EDIT IF MODIFIED) | high modera. low not smpl |
| Acer sachofum | Depth: (1-5): 4 | TAXONOMIC ACCURACY |
| veg. chair hee-villys are | X-axis Bearing of plot: [182] ° | - Hurried data |
| il che too Ilmis amount A an hour | Plot size for cover data: O, (hectares) | may still provide good |
| | GPS File Name: 1241A | Very thorough how much effort put into |
| Retion/of GRTS | Coord. Accuracy: - m - ft 100% +- | Effort Level: subjective evaluation of |
| | Ċ | SAMPLING QUALITY* |
| 0 | Latitude: 41,26159 | □ Perm. water □ Paved □ Slope □ Safety |
| W through wetland - noon | x = O y = O (base of plot $x=0$, $y=0$) | PLOT NOT SAMPLED: |
| ~100 ~ down moured ton! | GPS location in plot $x=0$ to 5, $y=-1,0,+1$): | ** Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. |
| Location: Fark at Kising Va | Datum: ■ NAD83/WGS84 □ NAD27 | |
| | □ Other (specify) ■ m □ ft □ | J. Yethit " |
| Lavort: 2x5 | ■ Lat/Long □ UTM □ StatePlane ■ deg □ deg min | J. Catella, Woody/So:15 |
| | Coordinate system: Coord. Units | J. Reinier Bytanist |
| NOTES: Include Layout (any unusual shape details), L | Source of coordinates □ MAP ■ GPS | 2. Barton Plot leader |
| GPS location O | If data not public why? | Party Role** |
| 3 4 | Reason: | End date (if > 1 day): / / |
| | □ Fuzz 100m □ Fuzz 250m □ Fuzz 500m | Date (mm/dd/yyyy): 8 /23 / /2 |
| 1 7 | Check one: Public data Private Data | Level 5 (nested corners sampled) |
| 2 Paturack | Data Confidentiality: | Level 4 (no nested corners sampled) |
| #10 #9 #8 | | Plot No.: 1241 |
| 3 4 3 | Valley | Som'S ClimpMania |
| | Quadrangle: Broadview Heights | Project Name: O(H; 20/2 |
| | State: OH County: Medina | Project Label: PCAP |
| | LOCATION | GENERAL INFORMATION |
| Data Sheet | mmunity Assessment Program - Backgrounc | CLEVELAND METROPARKS Plant Co |
| | #10 #10 #10 #10 #2 #2 #2 #2 #2 #2 #2 #2 #2 # | County: Medina County: Medina dufew Heights Rising Walley Clata Private Data 250m Fuzz 500m Coord. Units am ft GPS County: Medina Rising Walley Italian Fuzz 500m Coord. Units Italian Italian Italian Italian MGS84 NAD27 WGS84 NAD27 |

| ಬ್ | ر س | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | (v) | Δ 1. | 25 | | 6 | S | ا ا | N | 2 | 82 | 3 | W | (₁) | () | es | 82 | 7 | か | 2 | 8 | B | 7 | T S H (F | Strata - Cov. entire plot | | Cieveland | 4 | | > | Total modules | CLEVELAND I Project Label: |
|------------|----------|---------------------------------------|-----|---------------|------------------|-----------------|----------|------------|--------|------------|--------------------------|-------------------|----------------|--------|---------------------------------------|------|----|-----------|-------|--------------|---------------------|-------------|-----------|-------------|--------------------|------------------------------|----------------------------|-------------------|-------------|-------------------|------------|---------------------|---|
| | 3 | | | Unis anincoma | Johndays portela | Course Purisher | / rebrem | ~ | ncele | Sans, b.// | Taly conven logo station | Solanim dilconoca | houter chow to | andha | 2776 | 5 | 8 | | ≥ l | locorpus for | Direct states to !! | المحتان الم | The carry | contract of | H (F)(A)Br Species | ntire plot | बाह्य व क्रांच | describe amount | | | | iles: 10 | CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a |
| | | | | | | | | | | | | 2,11-12 36 | er latentlong | | | | | | | | | | | | c Voucher# | %unveg. litter (bare litter) | %unveg. ground (bare soil) | water maker water | Monen water | Estimate for each | | Intensive modules: | nent Program Speci |
| _ | ん | Ŵ | 4 | 6 | • | 2 | | 22 | & - | 22 | 2 | 22 | S | 23 | 24 | 2)(Z | ٧ | (V) P) | 37 | 33 | 32 | 42 | 4 5 | てて | depth cov | <u>ユ</u> | 0 | | | <u> </u> | mod corner | 4 | es Cover Data |
| _ | <u>.</u> | دو | 4 | W | <u> </u> | 7 | છ | | | | 2 | 2 | p | نن | | | J. | | 4 | | | 3 | 4 | 7 | depth cov | | 1 | 1 | uapiii | $\overline{}$ | mod corner | Plot configuration: | Data Sh |
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| <u> </u> | & & | 5 | 34 | | | <i>ک</i> ا ✓ | 70 | (<u>u</u> | - U | 3 2 | 2 | | بع (7) | ا ا | 8 | 2 | 2 | | かる | 212 | <u>೪</u> – | 2 | 7 | 7.0 | cov depth | 2 | 4 | 7 | | Cov depth | corner mod | | |
| <u>(7)</u> | 2 | | | | - | | | | 5 | ~ | | | | | | | Ť | | | | | N | | | COV | | | | | ê Ø | 0 | Plot a | |
| in. | | | | S | | | 4 | S | 0 | V | | | | S | | 100 | 0 | | (vi | 2 | | | 2 | 2 | depth | 1 | | | - | deoth C | mod | Plot area (ha): | Page |
| _ | 0 | (<u>)</u> | 7 | 7 | | 9 | 4 | 2 | | 22 | - | | 8 | 2 | 50 | | 34 | | カイ | 20 | - | | 5 | 1.8 | cov depth | V | 0 | y (| | cov I depth | corner mod | 11 | ge |
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| | | | | | 700 | | | | | | | | | | | | | | | | | | | | depth cov | | | | 100 | depth cov | mod corner | | N |

| CLEVELAND Project Label: | AND MET | ROPARKS Plant Community Assessn PCAP | CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet 2a Project Label: PCAP Project name: 0/4/202 Plot no.: /よく | Page 2 of 3 |
|----------------------------|-----------------|--|---|--|
| Total modules: | odules: | [0] | Intensive modules: '식 Plot configuration: るょろ | Plot area (ha): , 16 |
| a | | Br = Browse Level. Use cover classes to | mod corner, mod corner mod corner, mod corner mod | corner mod corner mod corner mod corner mod corner corner corner mod corner mod corner |
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| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | Q ₁ | 2 | ره | | \ | | 0 | U. | | 0 | 80 | ຍ | | رو | 0 - | S | 0.3 | 2 | 200 | T S T | Strata - Cov. entire plot | oureur) | Cleveland | G | | Total m | Project |
|--|-----------|-------------------|--------------|--------------------|----------------|----|-----------------------|------|--------------|--|----------------------|----------------|------------------|--------------------------------------|-------------|-----------------|-------------------|--------------------|----------|----------------|--|--|-------------|--|---|-------------------------------------|--|--|
| | \prod | 1 | 2 | | 82 | N | 8 | 8 | | <u> </u> | ري | | | | | 2 | Ω Ω | B | | 72 | H (F)(A | ov. entire j | panks | | G. | | Total modules: | Project Label: |
| Ribus Sp. | Ribos-Sp. | Good Cos britanos | Cores Sepona | Addressens of SC 8 | Oxalis Soricha | حا | Reposition naculation | \$ X | Cranages sp. | sam cincolonge | Cirocita de gronovii | 1 talum volses | Channes Françola | (6848 September 1872 September 1874) | the saidern | Circage Wetvers | Fotosilla simplex | Publis alleghanies | - | Fruit Sorotina | (A) Br Species | plot | entire plot | describe amount of browse per species over | Dr = Browse Greek Hee cover started to | | 10 | PCAP |
| | | | | 8/3//12 | | | | | | | | | | | | | | | | | C Voucher# depth cov depth cov depth cov depth cov depth | %unveg. ground (bare soil) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | ater 1 | intensive module: depth cov depth cov depth cov depth cov depth | mod comer mod corner mod corner mod | Intensive modules: 4 Plot configuration: 2 x 3 | Project Label: PCAP Project name: 01/4/2012 Plot no.: 1241 |
| - 20 20 30 | 1 | r | Re | <i>™</i> | 2 2 | | Ra | 2 | 23 | 2 - | 2) | _ | 2) 2) | 4 | 24 | 21 32 | | 2 | (| 28 | depth cov depth | 200 200 200 200 200 200 200 200 200 200 | | TO | Cov depth cov depth cov depth | er mod comer mod comer | Plot area (ha): - 10 | Page 3 of 3 |

7 Ţ W 10 __ I W 3 I N CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet W N Viburnum recognitur Crataegus sp. Viburnum recognitum Fraxinus pennoyl vanica ulmus americana Rubus allegheniensi Toxicodendron radicans Fraxinus pennsylvanica Acer Saccharum Cornus racemosay Quercus rubra Acer rubium Acer rubrum Toxicodendron radica Standing dead Cornus racemosax Explain subsample (additional room on back): Toxico dendron radican Rosa multiflora Standing dead Viburnum recognitum Standing dead Standing dead Ulmus americana Cornus racemosan Project Label: __ PCAP voucher# .7 . # stems browsed 0-1.4m or super sample % sub Project Name: 014,3013 耳 clumps shrub #) . ZI. size class (cm) woody stems >1.4m 0-<1 1-<2.5 2.5-<5 Plot No .: 1241 5-<10 4 0 10 - < 15 15 - < 20 20 - <25 Page:_ 25 - < 30 30 - <35 ಲ್ಲ (P) Cleveland Metroparks 35 - <40 6 >40 (record each tree) =

| CLE | CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Label: PCAP Project Name: O Ni 2012 Plot No.: | # C | ommunity PCAP | Assessn | Project | gram A | nt Program Natural Woody Project Name: O N 2012 | Woody \$ | stem Da | ta Sheet Plot No.: 124 | 1241 | | Page: | 2 | of _ | & Clewels | © Cleveland Metropairs |
|-------|--|--------|------------------|----------|---------|------------|---|-----------------------------------|------------|------------------------|-----------|----------|----------|----------|----------|-----------|------------------------|
| - 111 | Explain subsample (additional room on back): | yn bac | ck): | ' | leri . | Ŋ. | | | | DE IX | | | | | | | |
| | | | | # stems | - | | size class | size class (cm) woody stems >1.4m | dy stems > | 1.4m | | , | | | | ; | II MPA |
| mod # | species | ი | voucher# | browsed | sample | clumps | 0-<1 | 1-<2.5 | 2.5-<5 | 5-<10 | 10 - <15 | 15 - <20 | 20 - <25 | 25 - <30 | 30 - <35 | 35 - <40 | >40 (record each tree) |
| 4 | Cornus racemosax | | | | | | | | | | - | | | | | 100 | |
| n | - | | | | | • | | 77 | 11 | | | | | | | | |
| S | Wimus americana | | | | | | | | | ** | | | | | funs: | | |
| S | Viburnum recognitu | 3 | No. of the last | | | | | • | | | | | | | | | |
| 5 | | | | • | | | | • | | | * | | | | 200 | | |
| S | 1 | | | • | | • | | | | | | | | | | | |
| 5 | Cornus racemosass | | | • | | *: | | | | | | | | | | | |
| 5 | | 9 | | | | | • | | | | | | | | | | |
| 6 | | | | W (0.10) | | | | ×: | | 176 | | | | | | | |
| 6 | Standing dead | | | | | | X. | *** | ,, | | 4 4 6 | | | | | | |
| 6 | Fraxing pennsylvani | 9 | | | | The second | •• | • | •• | | c | | | | | | |
| 6 | Cornus amornum | | | | | | | • | | | | | | | | | |
| 6 | Viburnum recognit | 44 | | : | ı. | 図 | | • | | | | | 00000000 | | ı.Ym | | |
| 6 | Cornus racemosax | | | T. | | Ø | | | | | | | | | | | |
| 6 | Whomas americana | | | | | | | ŀ | | 822.00 | 25,00,750 | | | = | 31106 | | |
| 6 | Quercus bicolor | | | | | | | ٠ | • | | | | | | | | |
| 6 | Rhammus frangula | | | ٠ | | • | | | | | | | | | | | |
| 6 | Crataegus sp. | | | | | | | ** | • | | | | | | | | |
| 4 | Toxicodendron radicans | S | | | | | | | × | | | | | | | | 7 |
| 6 | Rosa multitlora | | | •• | | • | | | | | | | | | | | |
| 7 | Fraxinus pennsylvani | 8 | | | | | | •• | 4 0 | | | | | | | | |
| 1 | 1100 | | | | | | • | | ı | : | • • | | | | • | | |
| 1 | Acer saccharum | | | | | | | | | ٠ | | | | | | | |
| 1 | Toxico den dran vadicans | 5 | | | | | | | | | | | | | | | |

| CLE | CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet Project Name: 01 円 2012 Plot No.: | Community | Assessn | Project | gram | nt Program Natural Woody Project Name: 01 H; 2012 | Woody S | Stem Da | ta Sheet | 1741 | | Page | N | 2 | Ciercia | © Cleveland Metroparks |
|-------|---|-----------|-------------------|---------|-------|---|----------|-----------------------------------|----------|------------|---------------|--------|----------|----------|----------|----------------------------|
| | Explain subsample (additional room on back): | ack): | | | | , | | • | | - | | | (| 2 | - | |
| | | | # stems | % sub | # | size class | (cm) woo | size class (cm) woody stems >1.4m | 1.4m | | | | | | | |
| mod # | species | voucher# | 0-1.4m browsed | | shrub | <u>Z</u> - | 1-<25 | 2 5 -65 | 5-<10 | 5 10 - <15 | 6 15 - <20 | 70-<25 | 25 - <30 | 30 - <35 | 35 - <40 | 11 >40 (record each tre |
| 1 | Acer rubrum | | | _ | | | | | | · | | | • | | | |
| 7 | Rhamnus franquia | | | | | • | | • | | | | | | | | |
| ٦ | Cornus racemosar | | | | | • | 40 | | | | | | | | | |
| 7 | | | | | | | | | • | • | 9 | | | | | |
| 1 | | | | | | ** | | | | | | | | | | |
| 17 | Crataegus sp. | | | | | | | | | | | | | | | |
| 7 | | | • | | | | | | | | | | | | | |
| 00 | Cornus amornum | | T I | | 四 | | 22 | | | | | | | | | |
| 00 | Fraxinus pennsylvanica | | | | | • | | | | | | | | | | |
| 00 | Viburnum recognitum | | | | ** | | | | | | | | | | | |
| 8 | Toxico dendron radicans | | | | | 9 9 | | 6 | | | | | | | | |
| Q0 | Rosa multiflora | | | | • | | | | | | | | | | | |
| 0 | Cornus racemosa | | | | 9 | | | | | | | | | | | |
| Q2 | Standing dead | | | | | | | ×: | : | | | | | | | |
| 0 | Ulmus americana | | | | | | • | | | • | | | | | | |
| 9 | Standing dead | | | | • | | | | | | | | | | | |
| هـ | Cornus amomum | | 以 | | 区区区 | | | | | | | | | | | |
| و | Khamnus frangula | | | | | • | | | | | | | | | | |
| ٩ | Acer saccharum | | | | | | | | * | | | | | | | |
| -0 | Ligustrum vulgare | | | | | | | | | | | | | | | |
| 0 | Fraxinus pennsylvanica | | | | | | | | | | • | | | | | |
| -0 | Viburnum recognitum | | | | :: | | | | | | | | | | | |
| 9 | Rosa multiflora | | 4.0 | | | | | | | | | | | | | |
| 10 | Rosa multiflora | | I. | | п | | | | | | | | | | | |

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| | | | | | | | | | | 0 | 0 | 10 | mod # | | | | CLE |
| | | | | | | | | | | Cornus racemosa | Standing dead | Crataesus sp. | species | | Explain subsample (additional room on back): | Project Label: | CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet |
| | | | _ | | | | | | | | | | c | | on on | bel: I | Plant |
| | | | | | | | -4 | | | | | | voucher# | | back): | PCAP | Community |
| | | | | | | | | | | 0 | | | browsed | # stems | | | Assessi |
| | - | | | | | | | | | ı | | | sample | % sub | | Project | nent Pro |
| | | | | | | | | | | ì | | 1 | clumps | | | t Name: | gram Na |
| | | | | | | | | | | | | | <u>م</u> | size class (cm) woody stems >1.4m | | Project Name: 01H; 2012 | atural M |
| | | | | | | | | | | | | • • | 1-<2.5 | cm) woody | | 0/2 | oody St |
| | | | , H | | 2 | 1 | | | 50c= #10 | Ξ | | 1 | 2.5-<5 | stems >1 | | π, | em Data |
| | | | | y = | | | | | | | | × | 5-<10 | . ⁴ | | Plot No .: 1241 | Sheet |
| | _ = | | | | | | | | 12 | | | | 10 - <15 | n | | 142 | |
| | | | | | | | | | | | | | 15 - <20 2 | 0 | | | |
| | | | | | | | | | | | | | 25 | 4 | | Page:_ | |
| | | | | | | | | | | | | Н | 25 - <30 | • | | عر | |
| | | | | | | j | | | | | | U _ | 30 - <35 3 | • | | 요. I 4 | a |
| | | | | | | | | | - 1 | | | | 35 - <40 | 5 | | 12.5 | 7 |
| | | | | | | | W. | | | | | | >40 (record each tr | : | | To me cuppation | @classified Habrache |

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface

Project Label: PCAP Project Name: 0/8/H, 20/2

Plot No.: 1241

(A) Discontinue of Machine parton Page: 1 of 1

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

LFI*

E N

z

LFI is angle of plot to the

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

| 530 | 9 | D G | W | N | Module # |
|-----|---|------------|---|---|----------|
| i. | ソ | 7 | 1 | 7 | C7 |
| 200 | 1 | 1 | | × | Corner |
| | 4 | W | W | W | Corner |

| CLASSIFICATION | | |
|---|-------|---------|
| (FIT = excellent, g Fit and Confidence | | |
| Hydrozeomorphic class (WETLANDS ONLY): | į | |
| DEPRESSION | 함 | Conf= |
| □ IMPOUNDMENT □ Beaver □ Human | 7 | Conf= |
| RIVERINE - Headwater - Mainstem - Channel | FIF | Conf= |
| SLOPE (ground water hydrology or on a physical stop) | Fil=G | Conf= H |
| n FRINGING in Reservoir in Natural Lake | 1 | Conf |
| COASTAL (specify subclass) | 7 | Conf= |
| BOG (strongly, moderately, weekly ombrotrophic) | Fit= | Conf |
| Ohio EPA VIBI Plant Community Class (WETLANDS ONLY): | KTA | |
| □ FOREST □ swamp forest □ bog forest □ forest seep MEMERGENT □ marsh □ wet meadow □ open bog | | Conf= |
| SHRUB a shrub swamp a tall sh. bog a tall sh. fen | Fit= | Conf= |

MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only

lope 1 = slight elevational grade across module (hill) anks for microhabital features. Select one or select two and average the score.NOTE: If mod falls on a slope adomatically 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 low 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

| | 2 | 00 | a | N | med# | | | | | | |
|--|----|----|---|-----|---------|------------|---------|-------------------|-------------|-----------|--|
| | | | | | corner | | | | | | |
| | V | 7 | a | (i) | (count) | lxim | depth 3 | | tussocks | no. of | |
| | 9 | 40 | × | 0 | (count) | 3.16x3.16m | depth 2 | uplands (Tip-Ups) | hummocks | no of | |
| | H | 43 | H | Ü | (count) | 10x10m | depth 1 | | depressions | no macro | The second second |
| | 15 | H | 9 | 2 | (count) | 10x10m | depth 1 | | (2-12 cm) | c.w d | |
| | N | U | 8 | æ | (count) | 10x10m | depth 1 | | (12-40cm) | cwd | The second second |
| | Ø | Ø | Ø | 0 | (count) | 10x10m | depth 1 | | >40 cm | c.w.d | The same of the sa |
| | 45 | 43 | H | H | (rank) | 10x10m | depth 1 | | interspers. | microhab. | |
| | Ø | Ø | Ø | Ø | (rank) | 10×10m | SLOPE | | | microhab | |

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

 Terrain Shape Index (site microtopographic shape) Landform Index (position within landscape)

+270 degrees

+315 degrees

Z K € WS +180 degrees

+135 degrees +90 degree: +45 degrees At aspect

SE

local slopes. For TSI measure

angles formed by horizon, TSI is

angle from

recorders eye to

+225 degrees

eve of person standing - 10 m

away

| 9 9 | | 3 | 2 | Module | corresonante apace |
|-----|----------|----|----|--------|--------------------------|
| 0 | i | HO | 38 | 2 | (# dois bei |
| Ø | 74 | M | 38 | S | (+ oots per grid square) |
| Ø | 46 | 72 | 39 | E | |
| Ø | 67 | 12 | 2 | W | _ |

| B | 326 |
|----|-----|
| 36 | 324 |

19 94

5aCM PCAP Plant Cover_Earth Surface Data sheet Page 1_ver 3.xls last revised 5/29/2012 ceh

Project label: PCAP CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 6a Project Name: 01 Hi 20/2

Plot No.: 124]

@ Gloveland Metroparks

Page: 1 of 1

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

Soll pit module # 8 (one per entire plot)

| | G | -10 | Y | 1 | | 20 cm | | | | | | | 6 cm |
|--------------------------|------------------------|----------|----------------|-----------|-------------------|-------------------|--------------------------|------------------------|----------|------------------|-----------|-------------------|-----------------------|
| hydro. cond.*** I(S) M D | redox features** (Y) N | texture* | oxid roots Y N | %mottle 🕏 | mottle color NDNC | matrix bior 3/104 | hydr. cond.*** I (S) M D | redox features** (Y) N | texture* | oxid roots (Y) N | %mottle & | mottle color Mana | matrix color 2.54 312 |
| | | | | | | | | | | | | | |

- * refer to texture classes on reverse side
- e g, hydrogen sulfide odor, gleving, etc.
- indundated S=saturated M=moist D-dry

Notes: include evidence of earthworms (worms, astings, middens)

C. were puncy

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

| Soil Collection Moduld Horizon (A, B, C) |
|--|
| 2,3,8,9 composited A |
| Web Soil Silbs or throughout date. |
| Soil Series/Type: 1700/4 Silt Comm |
| Soil Series Source: Ohio Soil Survey |
| Landform type: Hood Maino |
| Depth to rest. Layer: >80 t1 |
| Parent Material: Alluvium |

Excessively dr. Somewhat excessively

o Impermeable surface Proonly Crainad Somewhat poorly dr. Well drained Moderately well dr. Very poorly dr.

8/31

STAND SIZE

>600 x plot size

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

| 2 | B | W | 2 | mod# |
|----|-----|-----|---|------------------------------------|
| Ø | ,5 | 2.5 | Ф | 1 litter+ organic depth (cm) |
| Ø | is, | 2.5 | Q | 2 litter depth (cm) |
| H | Ø | 8 | Ø | water depth (cm) |
| Ø. | 5 | S | S | depth sat |

| **** <5 cm in diameter | *** >5 cm in diameter | **Boulder = > 10 in | * Gravel-Cobble = 1/16-10" | Bedrock | Boulder** | Gravel-Cobble* | Mineral Soil | Histosol | (Sum = 100%) | Underlying Earth Surface* | EARTH SURFACE & GROUND COVER |
|------------------------|-----------------------|---------------------|----------------------------|-------------------|---------------------|----------------|-----------------------|------------------------|---------------|---------------------------|------------------------------|
| meter | eter | 5 | : 1/16-10" | 0 | 0 | 0 | 001 | 0 | percent | Surface* | CE & GROUI |
| Other | Road/Trail | Bare Soil | Water | Bryophyte- Lichen | Duff (Ferm.+ Humus) | Litter | Fine Woody Debris**** | Coarse Woody Debris*** | (Each ≤ 100%) | Ground Cover | VD COVER |
| C | 120 | 0 | | ン | 0 | N | H | 7 | percent | | |

| ** submerse | * rooted and | (Aquatic)* | (Floating)* | Herb | Shrub | Тгес | Strata | COVER E |
|--|---|------------|-------------|--------|--------|--------|------------------|---|
| submersed, most plant mass below surface | rooted and floating or slightly emersed | t | | 0 - Im | 1 _ 5m | Z - MS | Height Range (m) | COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13 |
| ow surface | rsed | | | 98 | X W | /3 | Total Cover (%) | %;ex:3,8,13 |

| Type |
|------------------------|
| 1350 Vac 0451 |
| All Purpose |
| o Bridle |
| □ Hiking sanctioned |
| □ Bootleg unsanctioned |
| □ Gravel |
| -Geer 4 |

| | □ < plot size | d 1-3 x plot size | □ 3-10 x plot size | □ 10-100 x plot size | □ > 100 x plot size |
|---|---------------|-------------------|--------------------|----------------------|---------------------|
| _ | | 01. | 7/18/12 | | |

No.

SEE BACK OF PAGE FOR "TYPICAL"STRATA DESCRIPTIONS. STRATA CAN VARY BY COVER TYPE.

| FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): | | | | | | | | | | | | | | | | | | | | |
|---|----------|-------------|---------------------|--------------|--|------------------------|--------|-------------|--------|------------------------|-------------|--|---------------------------------------|-----------------------------|----------|------------|--------|----------|----------|------------|
| FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PLAPH1241 DATE: 08 123 12012 Location: Fill in bubble(s) if plot(s) could not be sampled and flag → | | | | | | | | | | | | | | | | | | | | |
| Site ID: PCAF | H | 1/0 | 241 | | | | | | | | | DATE | :08 | 123 | 5 1 | 2 | 0 | 1 | 2 | |
| Location: | | | | | | Fill | in b | ubb | le(s |) if p | lot(s | s) cou | ıld not be | sample | ed a | nd f | ag - | → | | |
| O AA Center | 0 | S | O | € 0 | W | OP | lot | 1 | 0 | Plot | 2 | OF | Plot 3 | | | | | | | U. Carrier |
| Eill in hubbles for all that analy (| | Tuesda | D = 5 | \id | _ | Buffer | | | | | | | Shaant: No tra | | | | | | | |
| Fill in bubbles for all that apply: C Strata Section: Fill in appropriate | | | | | | | | | | | | | | | vy (40 |)-75%) | 4 = V | ery H | eavy (| >75%) |
| Buffer Canopy Type: |) |) A | bsen | t: O | Buffer | Canopy | у Тур | e: 🌉 | |) At | sent | : O | Buffer | Canopy | Тур | e: 🔞 | E | Ab | sent: | 0 |
| Plot 1 Leaf Type: |) (| | | Flag | Plot 2 | Lea | f Typ | e: (|) (| | | Flag | Plot 3 | Leaf | Тур | e: 🕝 | 0 | | | Flag |
| Big Trees (>0.3m DBH) | 2 | (| 0 | | Big Trees (>0 | 0.3m DBH) | 0 | 0 | (2) | 0 | (1) | | Big Trees | (>0.3m DBH) | 0 | 0 | 2 | | 0 | |
| mall Trees (<0.3m DBH) | 0 | 0 | 0 | | Small Trees (< | 0.3m DBH) | 0 | 0 | | 0 | 0 | | Small Trees (<0.3m DBH) | | | | | © | 0 | |
| Voody Shrubs, Saplings (0.5m-5m HIGH) | • | 0 | 0 | | Woody Shrubs (0.5m- | , Saplings 5m HIGH) | 0 | (4) | 2 | 0 | 0 | | Woody Shrubs, Saplings (0.5m-5m HIGH) | | | | | <u></u> | 0 | |
| Voody Shrubs, Saplings (<0.5m HIGH) | ② | 0 | 0 | | Woody Shrubs (<0. | , Saplings 5m HIGH) | 0 | | 2 | 0 | 0 | | | bs, Saplings <0.5m HIGH) | 0 | (1) | 0 | 0 | 0 | |
| Herbs, Forbs and Grasses | 0 | 0 | 0 | | Herbs, F | orbs and Grasses | 0 | (| 2 | 0 | 0 | | Herbs | Forbs and Grasses | 0 | 0 | 0 | 0 | 0 | |
| Bare ground ① 0 | 2 | 0 | 0 | | | ground | 0 | | 2 | 0 | 0 | | Bar | e ground | 0 | @ | 2 | 0 | 0 | |
| Litter, duff ① | 0 | 0 | 1 | | Litt | ter, duff | 0 | 0 | 2 | 0 | | | Litter, duff 0 0 | | | | | 0 | (| |
| Rock 🕢 🕦 | | | | | | | 0 | 0 | 2 | 0 | 0 | | | Rock | (| 0 | 0 | 0 | 0 | |
| Water 🕢 🕦 | | | Water | (| 0 | 0 | 0 | <u> </u> | | | Water | | 0 | 0 | 0 | 0 | | | | |
| Submerged Vegetation 0 0 0 0 | | | | | | bmerged egetation | • | 0 | 0 | 0 | 0 | | Submerged Vegetation | | | | | 0 | 0 | |
| Stressor Presence/Absence - Confirm to | | | | | Annual Control of the | | ndica | tes p | resen | ce an | d an | unfilled | | | | by filli | ng thi | s bub | ble. (| 9 |
| Residential and Urb | an S | tres | sors | No. | ŀ | lydrolo | gy S | tres | sors | | | | | Agricult | ural | & Ru | ral S | tres | sors | |
| Fill bubble if present - Plot | Flag | Fill bubble | if prese | ent - I | Plot | 1 | 2 | 3 | Flag | Fill bubble | e if preser | nt - P | lot | 1 | 2 | 3 | Flag | | | |
| Road - gravel | 0 | 0 | 0 | | Ditches, Channelization | | | | | 0 | 0 | | Pasture/Ha | ay . | | | 0 | 0 | 0 | |
| Road - two lane | 0 | 0 | 0 | | Dike/Dam/Road/RR Bed (IMPEDE FLOW) | | | | | 0 | 0 | | Range | | YI. | | 0 | 0 | 0 | |
| Road - four lane | 0 | 0 | 0 | | Water Level Control Structure | | | | | 0 | 0 | | Row Crops | | a Vi | | 0 | 0 | 0 | |
| Parking Lot/Pavement | 0 | 0 | 0 | | Excavation, | , Dredgir | ng | | 0 | 0 | 0 | | Fallow Fiel | | RESTI | NG | 0 | 0 | 0 | |
| Golf Course | 0 | 0 | 0 | | Fill/Spoil Ba | | | | 0 | 0 | 0 | | Fallow Fiel SHRUBS, TRE | | ASS, | | 0 | 0 | 0 | |
| Lawn/Park | 0 | 0 | 0 | | Freshly Dep (UNVEGETATE | | Sedin | nent | 0 | 0 | 0 | | Nursery | | | | 0 | 0 | 0 | |
| Suburban Residential | 0 | 0 | 0 | | Soil Loss/R | | osure | | 0 | 0 | 0 | | Dairy | | | | 0 | 0 | 0 | |
| Urban/Multifamily | 0 | 0 | 0 | | Wall/Riprap | | | | 0 | 0 | 0 | | Orchard | | | | 0 | 0 | 0 | |
| Landfill | 0 | 0 | 0 | | Inlets, Outle | | | | 0 | 0 | 0 | | Confined A | | ding | 1052211 | 0 | 0 | 0 | |
| Dumping | 0 | 0 | 0 | | (EFFLUENT OI | R STORMV | | | 0 | 0 | 0 | | Rural Resi | dential | | -33 | 0 | 0 | 0 | |
| Trash | 0 | 0 | 0 | | (SHEETFLOW) | | при | | 0 | 0 | 0 | | Gravel Pit | | | | 0 | 0 | 0 | |
| Other: | 10 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Irrigation | | 55. | | 9 | 0 | 0 | |
| Other: | 10 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | L | Other: | | 100 | | 0 | 0 | 0 | |
| Industrial Developm | nent S | Stres | sor | 3 | | | 8 | | | Habit | at/V | egeta | tion Stress | sors | | | | | | |
| Fill bubble if present - Plot | 1 | 2 | 3 | Flag | Fill bubble | if preser | nt - I | Plot | 1 | 2 | 3 | Flag | Fill bubb | le if pres | ent - | Plot | 1 | 2 | 3 | Flag |
| Oil Drilling O O Fores | | | | Forest Clear | Cut | | | 0 | 0 | 0 | | Herbicide L | lse | | | 0 | 0 | 0 | | |
| Gas Wells OOO Forest | | | | Forest Selec | tive Cut | | 7/6 | 0 | 0 | 0 | | Mowing/Sh | rub Cutting | g | | 0 | 0 | 0 | | |
| | | | | Tree Plantat | | M | | 0 | 0 | 0 | | Trails | | | | 0 | 0 | 0 | | |
| Mine (underground) | 0 | 0 | 0 | 150 m | Tree Canopy (INSECT) | y Herbivo | ory | | 0 | 0 | 0 | | Soil Compa (ANIMAL OR H | | | | 0 | 0 | 0 | |
| Military OOO (WIL | | | Shrub Laver Revered | | | • | 0 | 0 | | Offroad vehicle damage | | | | 0 | 0 | 0 | | | | |
| Other: | 0 | 0 | 0 | | Highly Grazed Grasses (OVERALL <3" HIGH) | | | 0 | 0 | 0 | | Soil erosion (FROM WIND, WATER OR OVERUSE) | | | ATER, | 0 | 0 | 0 | | |
| Other: OOORRecently | | | | Recently Bu | | est | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | |
| Other: | 0 | 0 | 0 | | Recently Bui | med Gra | sslar | nd | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | |
| Fiag codes: K = No m | 1 | _ | made | , U = S | | rement., | F1,F2 | 2, etc. | = mis | c. flag | s ass | igned b | y each field c | rew. | N. S. | 242 | 3165 | | | |
| | | | E-seen | total off | loon in comme | ant anotic | - | aha ha | and of | ania fa | | | | | | | | | | |

Buffer Sample Plots 05/27/2011

| FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPH; 1241 DATE: 0 8 1 2 3 1 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag → | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|--------------|---------------|-------|--------------------|--|----------------------|--------|--------------------|------------|-----------|----------|---------|----------------------------------|---|---------|----------|------------|---------------|----------|-------|
| | LAY | 4: 1 | 24 | 1 | | | | | | | | | DATE | 08 | 2.3 | 5,1 | Ζ. | <u> </u> | 2 | | |
| | | | | 1922 | | | I SACH | | | | | | | | sample | d ar | nd fla | ag – | → | | |
| AA Center | ON | 0 | S | OE | E O | W | OP | lot 1 | - | Discoult. | Plot | | ×=×- | lot 3 | | | | | | | |
| Fill in bubbles for all that a Strata Section: Fill in appr | apply: Ca ropriate | anopy o | Type: | D = C | eciduou for eac | s: E = Everaree | n. Leaf T | voe: B | = Bro | adlea | N = N | veedle | Leaf. A | bsent: No tree oderate(10-40% | e canopy. %); 3 = Heav | vy (40- | -75%); | 4 = V | ery He | eavy (| >75%) |
| Buffer Canopy T | 34 | |) AI | bsen | t: () | | Canopy | / Тур | e: 🕝 | | _ | sent | : O | Buffer | Canopy | Туре | : 0 | <u>(1)</u> | Ab | sent | 0 |
| Plot 1 Leaf Ty | | 9 (| | | Flag | Plot 2 | Lea | f Typ | e: 🕒 |) (| | _ | Flag | Plot 3 | Leaf | Туре | : 0 | <u>(v)</u> | | | Flag |
| Big Trees (>0.3m DBH) | • 0 | 2 | 3 | 0 | | Big Trees (>0 | .3m DBH) | 0 | 0 | 2 | <u> </u> | <u> </u> | | Big Trees | (>0.3m DBH) | 0 | 0 | 0 | <u> </u> | <u> </u> | T |
| mall Trees (<0.3m DBH) | 0 | 0 | 6 | 0 | | Small Trees (< |).3m DBH) | 0 | 0 | 2 | 0 | <u> </u> | X. 78. | Small Trees | | 0 | <u> </u> | <u> </u> | <u> </u> | 0 | |
| Voody Shrubs, Saplings (0.5m-5m HIGH) | 0 | 2 | | 0 | | Woody Shrubs, (0.5m-5 | Saplings im HIGH) | 0 | 0 | ② | 3 | ⊙ | | Woody Shru (0.5 | bs, Saplings m-5m HIGH) | 0 | 0 | <u> </u> | <u> </u> | 0 | |
| Voody Shrubs, Saplings (<0.5m HIGH) | 0 | 0 | 3 | 0 | | Woody Shrubs, (<0.5 | Saplings im HIGH) | 0 | 0 | 2 | 0 | 0 | 1 | Woody Shru (< | bs, Saplings 0.5m HIGH) | 0 | 0 | 0 | 0 | 0 | |
| Herbs, Forbs and Grasses | 0 | 0 | 0 | 0 | | Herbs, Fo | orbs and Grasses | 0 | 0 | 2 | 3 | 0 | | Herbs, | Forbs and Grasses | 0 | 0 | 0 | <u> </u> | 0 | |
| Bare ground | 00000 | | | | | | | | | 2 | 0 | 0 | | Bar | e ground | 0 | 0 | 0 | 0 | 0 | |
| Litter, duff | er, duff | 0 | 0 | 2 | 0 | 0 | | L | itter, duff | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Rock 🦸 | 0 | | | Rock | 0 | 0 | <u> </u> | 0 | 0 | | | Rock | 0 | 0 | 0 | 0 | 0 | • | | | |
| Water (| | 2 | <u>0</u> | 0 | | | Water | Ō | $\overline{\odot}$ | <u>(1)</u> | 0 | Ō | | T = = 17 | Water | 0 | 0 | <u> </u> | 0 | 0 | |
| Submerged | | (<u>1</u>) | | | | | | | Ō | | | _ | | | | 0 | 0 | <u> </u> | $\overline{}$ | | |
| Vegetation Vegetation Vegetation Vegetation Vegetation Vegetation | | | | | | | | | | | | | | | | 9 | | | | | |
| Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 2 | 3 | Flag | | | | |
| Road - gravel | | 0 | 0 | 0 | | Ditches, Ch | | | | 0 | 0 | 0 | | Pasture/Ha | | | 0 | 0 | 0 | | |
| Road - two lane | | 0 | 0 | 0 | | Dike/Dam/R | load/RR | | | 0 | 0 | 0 | | Range | | | 0 | 0 | 0 | | |
| Road - four lane | | 0 | 0 | 0 | | Water Level | | l Stru | cture | | 0 | 0 | - | Row Crops | | | | 0 | ŏ | 0 | |
| Parking Lot/Pavemen | t | 0 | 0 | 0 | | Excavation, | Dredgir | ng | J.M. | 0 | 0 | 0 | 15 | Fallow Field | | RESTIN | 1G | 0 | ō | 0 | 1,5 |
| Golf Course | | 0 | 0 | 0 | - | Fill/Spoil Ba | | | | 0 | 0 | 0 | | Fallow Field | d (OLD - GRA | ASS, | | o | o | 0 | |
| Lawn/Park | N H | 0 | 0 | 0 | | Freshly Dep | | Sedim | ent | 0 | 0 | 0 | | SHRUBS, TRE | :5) | | | 0 | 0 | 0 | |
| Suburban Residential | | 0 | 0 | 0 | | Soil Loss/Re | | sure | | 0 | 0 | 0 | | Dairy | | | | 0 | 0 | 0 | |
| Urban/Multifamily | | 0 | 0 | 0 | i.e. | Wall/Riprap | | | | 0 | 0 | 0 | | Orchard | | | | 0 | 0 | 0 | |
| Landfill | | 0 | 0 | 0 | | Inlets, Outle | ts | | | 0 | 0 | 0 | | Confined A | nimal Fee | ding | 110 | 0 | 0 | 0 | |
| Dumping | | 0 | 0 | 0 | | Point Sourc | | VATER |) | 0 | 0 | 0 | | Rural Resid | dential | | ST. | 0 | 0 | 0 | |
| Trash | | 0 | 0 | 0 | | (SHEETFLOW) | surface | input | | 0 | 0 | 0 | | Gravel Pit | | | | 0 | 0 | 0 | |
| Other: | | 0 | 0 | 0 | | Other: | et i promoni | | | 0 | 0 | 0 | | Irrigation | | | | 0 | 0 | 0 | - |
| Other: | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | _ | Other: | | | | 0 | 0 | 0 | |
| Industrial Deve | elopm | ent S | Stres | sor | 5 | Towns. | | | | | labit | at/V | egetat | tion Stress | ors | | | | | | |
| Fill bubble if present | - Plot | 1 | 2 | 3 | Flag | Fill bubble i | f prese | nt - F | lot | 1 | 2 | 3 | Flag | Fill bubb | le if prese | ent - F | Plot | 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 | | | | 0 | 0 | 0 | | Mowing/Shi | | , | | 0 | 0 | 0 | |
| Mine (surface) | | 0 | 0 | 0 | | to the same | | 0 | 0 | 0 | | Trails | (Same) | I M | | 0 | 0 | 0 | | | |
| Mine (underground) | | 1 | 0 | 0 | | Tree Canopy Herbivory | | | | | 0 | 0 | | Soil Compa | | | | 0 | 0 | 0 | |
| | - | 0 | | | | Shrub Layer Browsed | | | | | the state | | | (ANIMAL OR H | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | | | | | |
| Military | | 0 | 0 | 0 | | (WILD OR DOMESTIC) Highly Grazed Grasses | | | | 0 | 0 | 0 | | Offroad veh Soil erosion | | | TER, | | 9 | 0 | |
| Other: | | 0 | 0 | 0 | | (OVERALL <3" HIGH) | | | | | 0 | 0 | | OR OVERUSE) | | | | 0 | 0 | 0 | |
| Other: | | 0 | 0 | 0 | | Canopy Recently Bur | | | hd | 0 | 0 | 0 | | Other: | | | | 0 | 9 | 0 | |
| Other: | | 0 | 0 | 0 | | (BLACKENED) | | | | 0 | 0 | 0 | | Other: | | | 1 | 0 | 0 | 0 | - |
| Fiag codes: K : Buffer Sampl | | 1000 | ment /27/: | Exp | | uspect measu lags in comme | | | | | | | gned by | y each fieid cı | rew. | 2 | 2428 | 168 | 304 | K | |

| FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (initial): | | | | | | | | | | | | | | - | | | | | | | | |
|---|--|-----------|-------------|------------|----------|------|-----------------|---|----------|-----------|--------------|----------|--------|-------------|--------------------------------|------------------------------|------------|-------------------------|----------------------|-----------------------------|---------|-------|
| • | FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPH 2021241 DATE: 0.8 2 3 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag → | | | | | | | | | | | | | | | | | | | | | |
| Site II | D: p | CA | P | H | 2 | Δ | 21: | 241 | | | | | | DATE | . o.8 . | 123 | 31 | 2 | ٥, | 1.3 | 2 | |
| Locatio | | | | | | | | | ill in | bubb | le(s |) if p | lot(s | s) cou | uld not be | sample | ed ar | nd fla | ag – | →] | | |
| OAAC | enter | C | N | 6 | S | 01 | € 0 | W C | Plot | 1 | 0 | Plot | 2 | OF | Plot 3 | | | | | 16 | | |
| | | | | | | | | Buffo s; E = Evergreen. Le h strata type for each | | B = Br | oadlea | f; N = I | Needle | e Leaf. A | | | vy (40- | -75%); | 4 = V | ery He | eavy (: | >75%) |
| Buffer | Canop | y Typ | e: 6 |) (|) A | bsen | t: () | Buffer Can | ору Ту | pe: (| |) At | sent | t: (| Buffer | Canopy | Type | : 🕞 | (E) | Ab | sent: | |
| Plot 1 | | f Typ | | | - | | Flag | DI-40 | eaf Ty | · > | \leftarrow | | | Flag | Plot 3 | | Туре | $\stackrel{\sim}{\sim}$ | $\overline{\bullet}$ | 1 | | Flag |
| Big Trees (>0 |).3m DBH) | 0 | 0 | (7) | 0 | 0 | ļ | Big Trees (>0.3m Di | 3H) | 10 | 0 | 0 | 0 | | Big Trees | (>0.3m DBH) | @ | 0 | <u> </u> | <u> </u> | 0 | |
| mall Trees (<0 | 0.3m DBH | 0 | 0 | 0 | 0 | 0 | | Small Trees (<0.3m D | вн) | 0 | 0 | 0 | 0 | | Small Trees | (<0.3m DBH) | | 0 | 0 | 0 | 0 | |
| Voody Shrubs, (0.5m-5 | Saplings 5m HIGH) | 0 | 0 | 0 | 0 | 0 | | Woody Shrubs, Saplir (0.5m-5m HIC | | 0 | 2 | 0 | 0 | | | ubs, Saplings im-5m HIGH) | | 0 | 2 | 3 | 0 | |
| Voody Shrubs, (<0.5 | Saplings 5m HIGH) | 0 | 0 | 6 | 0 | 0 | | Woody Shrubs, Saplir (<0.5m HIC | igs 🙉 | 0 | 2 | 0 | 0 | | Woody Shru | bs, Saplings 0.5m HIGH) | 0 | 0 | 0 | 0 | 0 | |
| Herbs, Fo | | 0 | 0 | 0 | 6 | 0 | | Herbs, Forbs a Grass | nd 6 | 0 | 2 | 0 | | | Herbs, | Forbs and Grasses | 0 | 0 | 0 | 0 | 0 | |
| | ground | 0 | 0 | 0 | 0 | 0 | | Bare grou | | 0 | 2 | 0 | 0 | | Bar | e ground | 0 | 0 | 0 | 0 | 0 | |
| Litte | er, duff | 0 | 0 | 6 | 0 | 0 | | Litter, di | ıff 🚳 | 0 | 0 | 0 | 0 | | L | itter, duff | @ | 0 | 0 | 0 | 0 | |
| | Rock | © | 0 | 3 | 0 | 0 | | Roo | ck 🕝 | 0 | 0 | 0 | 0 | | | Rock | 9 | 0 | 2 | 0 | 0 | |
| | Water | 0 | 0 | 2 | 0 | 0 | , | Wat | er 🕖 | 0 | 0 | 0 | 0 | | | Water | 0 | 0 | 0 | 0 | 0 | |
| | omerged | 0 | 0 | 0 | 0 | 0 | | Submerg Vegetati | | 0 | 0 | 0 | 0 | | | Submerged Vegetation | (1) | 0 | 2 | 0 | 0 | |
| Vegetation | | | | | | | | | | | | | | | | | | | | | | |
| Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors | | | | | | | | | | | | | | | | | | | | | | |
| Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors | | | | | | | | | | | | | | | Flag | | | | | | | |
| Road - grav | vel | 1-16 | Till 8 | 0 | 0 | 0 | | Ditches, Channelization | | | | 0 | 0 | | Pasture/Ha | ıy | | 100 | 0 | 0 | 0 | |
| Road - two | lane | | | 0 | 0 | 0 | - | Dike/Dam/Road/ | RR Be | đ | 0 | 0 | 0 | | Range | | | 0 | 0 | 0 | | |
| Road - four | r lane | | | 0 | 0 | 0 | | Water Level Cor | trol Str | ucture | 0 | 0 | 0 | | Row Crops | | | | 0 | 0 | 0 | |
| Parking Lot | t/Paven | nent | | 0 | 0 | 0 | - | Excavation, Dred | lging | | 0 | 0 | 0 | | Fallow Field ROW CROP FIELD | D) | IG | 0 | 0 | 0 | | |
| Golf Course | е | | | 0 | 0 | 0 | | Fill/Spoil Banks | 1.6.1 | | 0 | 0 | 0 | | Fallow Field SHRUBS, TRE | | ASS, | | 0 | 0 | 0 | |
| Lawn/Park | | | | 0 | 0 | 0 | | Freshly Deposite (UNVEGETATED) | | | 0 | 0 | 0 | | Nursery | | | | | 0 | 0 | |
| Suburban F | Residen | tial | | 0 | 0 | 0 | | Soil Loss/Root E | xposur | е | 0 | 0 | 0 | | Dairy | | | | | 0 | 0 | |
| Urban/Multi | ifamily | | | 0 | 0 | 0 | | Wall/Riprap | | | 0 | 0 | 0 | | Orchard | | | | | STATE OF THE PARTY NAMED IN | 0 | |
| Landfill | | | | 0 | 0 | 0 | | Inlets, Outlets Point Source/Pig | _ | | 0 | 0 | 0 | | Confined A | | ding | | CHARGE TO | _ | 0 | |
| Dumping | | | | 0 | 0 | 0 | | (EFFLUENT OR STOR | RMWATE | | 0 | 0 | 0 | | Rural Resid | dentiai | | - | | | 0 | |
| Trash | | a College | | 0 | 0 | 0 | | (SHEETFLOW) | | | 0 | 0 | 0 | | Gravel Pit | | | | | | 0 | |
| Other: | | | = | 0 | 0 | 0 | | Other: | | | 0 | 0 | 0 | | Irrigation | | | | | | 0 | |
| Other: | | | 200.10 | 0 | 0 | 0 | | Other: | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 이 | |
| Indus | trial D | evelo | opmo | ent S | Stres | sor | \$ | tion and the second | | | | | at/V | | tion Stress | | | | | | | |
| ill bubble | if prese | ent - l | Plot | 1 | 2 | 3 | Flag | Fill bubble if pre | sent - | Plot | 1 | 2 | 3 | Flag | Fill bubb | le if prese | ent - F | Plot | 1 | - | 3440 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | | Forest Clear Cut | V=001" | | 0 | 0 | 0 | | Herbicide U | lse | 200 | - | 이 | 9 | 0 | |
| Gas Wells O O O | | | | | | | | Forest Selective (| Cut | | 0 | 0 | 0 | | Mowing/Shi | rub Cutting | | | 0 | 0 | 0 | |
| Mine (surface) | | | | | | | Tree Plantation | | | 0 | 0 | 0 | | Trails | | | | 0 | 0 | 0 | | |
| Mine (unde | rground | i) | | 0 | 0 | 0 | | Tree Canopy Herl (INSECT) | | | 0 | 0 | 0 | | Soil Compa (ANIMAL OR H | | | | 0 | 0 | 0 | |
| Military | | | | 0 | 0 | 0 | | Shrub Layer Brow (WILD OR DOMESTIC) | 992// | | • | 0 | 0 | | Offroad veh | | | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Highly Grazed Grazed Grazed (OVERALL <3" HIGH) | | | 0 | 0 | 0 | | Soil erosion OR OVERUSE | | iD, WA | TER, | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Recently Burned Canopy | orest | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | |
| Other: | 77-24-7 | | | 0 | 0 | 0 | | Recently Burned ((BLACKENED) | Grassla | and | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | |
| Fia | g codes: | K=1 | lo me | asure | ment | | | uspect measureme | | | | | | igned b | y each field c | rew. | 2 | 2428 | 168 | 304 | T | |
| Bu | ffer Sar | nple I | Plots | 05, | /27/2 | | iain ali f | lags in comment se | cuon or | i trie Da | ECK Of | ហាវទ 10 | erriti | | | | | | | | 4 | |

| • | FORM B-1: BUFFER SAMPLE PLOTS (Front) Site ID: PCAPH; 124(DATE: 0 8 2 3 2 0 1 2 Location: Fill in bubble(s) if plot(s) could not be sampled and flag → | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|-------------|---------------|------------------|----------|--|---|---------------------------|--------|---------------|----------------------------|---------|---------------------------|------------|---------------------------------|--|----------|-------------------------|----------------------|-----------------|---------------|-----------------|
| Site | ID: F | CA | PH | i 12 | 24 (| | | | | | | | | | DATE | : 08 | 123 | 3/ | 2 0 | | 1 .7 | | |
| Locati | | | | | | | | | Fill | in b | ubb | le(s) | if p | lot(s | | | | | | | | | |
| OAAC | Center | C | N | 0 | S | O | | W | OP | lot | 1 | 0 | Plot | 2 | OF | Plot 3 | | | | | | | |
| | | - 20000 | | | | | | | Buffer | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Absent: No tre oderate(10-40 | | ıvy (40- | -75%); | 4 = V | егу Н | avy (| >75%) |
| Buffer | Canop | у Тур | e: 🕝 |) (|) A | bsen | t: O | Buffer | Canopy | v Tvp | e: (• |) (|) At | sent | : (| Buffer | Canopy | Туре | : 🕞 | (E) | Ab | sent | |
| Plot 1 | | f Typ | | | 5 | | Flag | Plot 2 | | f Typ | $\overline{}$ | $\stackrel{\leftarrow}{=}$ | | | Flag | Plot 3 | | Туре | $\stackrel{\sim}{\sim}$ | $\overline{\odot}$ | + | | Flag |
| Big Trees (> | 0.3m DBH) | 0 | 0 | ① | | Ø | | Big Trees (| 0.3m DBH) | 0 | 0 | ② | 0 | 0 | | Big Trees | (>0.3m DBH) | 0 | <u> </u> | <u> </u> | 0 | 0 | |
| imall Trees (< | :0.3m DBH) | 0 | Ō | (2) | 0 | 3 | | Small Trees (| <0.3m DBH) | | 0 | <u>(1)</u> | <u></u> | $\overline{\odot}$ | | Small Trees | (<0.3m DBH) | 0 | Ŏ | 0 | <u>0</u> | Ō | |
| Woody Shrubs | s, Saplings -5m HIGH) | 0 | 0 | 0 | 0 | Ō | | Woody Shrub | s, Saplings 1-5m HIGH) | 0 | 0 | <u>0</u> | 0 | $\overline{\odot}$ | | | ubs, Saplings 5m-5m HIGH) | | Ŏ | 0 | 0 | Ō | |
| Woody Shrubs | | 0 | • | (2) | 0 | Ō | | Woody Shrub | | Ō | 0 | <u>0</u> | Ŏ | $\overset{\smile}{\odot}$ | | Woody Shru | ubs, Saplings <0.5m HIGH) | Ŏ | Ŏ | 0 | 0 | ŏ | |
| | orbs and | | Ō | 9 | 0 | Ō | | <u> </u> | Forbs and | 0 | 0 | 0 | ŏ | $\frac{\circ}{\odot}$ | | | , Forbs and | 6 | ŏ | 0 | $\tilde{\odot}$ | ŏ | |
| Bare | Grasses ground | 0 | • | 0 | 0 | ō | | Bare | Grasses ground | 0 | 0 | <u>0</u> | ŏ | $\check{\odot}$ | | Bai | Grasses re ground | 0 | ŏ | 0 | 0 | ŏ | |
| | ter, duff | 0 | 0 | 0 | 0 | 9 | | - | tter, duff | 0 | $\frac{1}{0}$ | 0 | <u></u> | $\frac{\circ}{\circ}$ | | | itter, duff | 0 | ŏ | <u></u> | 0 | ŏ | , |
| | Rock | 3 | 0 | 0 | 0 | 0 | | | Rock | 0 | 0 | 0 | 0 | $\frac{\circ}{\circ}$ | | | Rock | 0 | - | 0 | 0 | 0 | |
| | Water | 9 | 0 | 0 | 0 | 0 | | | Water | 0 | 0 | 0 | 0 | $\frac{\circ}{\circ}$ | | | Water | 0 | 0 | 0 | 0 | 0 | |
| | bmerged | <i>6</i> 24 | | $\overline{}$ | | 1- | | | ubmerged | - | _ | | | _ | | | Submerged | 0 | | $\stackrel{\sim}{=}$ | 0 | $\frac{0}{0}$ | |
| vegetation C C C C Vegetation C C C C C C C C C C C C C C C C C C C | | | | | | | | | | | | | | | \sim 1 | | a | | | | | | |
| Stressor Presence/Absence - Confirm that a filled data bubble indicates presence and an unfilled bubble indicates absence by filling this bubble. Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors | | | | | | | | | | | | | | | | | | | | | | | |
| Residential and Urban Stressors Hydrology Stressors Agricultural & Rural Stressors | | | | | | | | | | | | | | | | | | | | | | | |
| | | ent - I | Plot | 1 | 2 | 3 | Flag | | | | -10t | 1 | 2 | | Flag | | | | | 0.00 | | | riag |
| Road - gra | | | | 0 | 0 | 0 | | Ditches, C | | | | 0 | 0 | 0 | | Pasture/Ha | | | | 의 | 0 | 0 | |
| Road - two | | 4 | | 0 | 0 | 0 | | Dike/Dam/Road/RR Bed (IMPEDE FLOW) | | | | | 0 | 0 | | Range | ************************************** | | | 0 | 0 | 0 | |
| Road - fou | | 4 | | 0 | 0 | 0 | | Water Level Control Structure | | | | | 0 | 0 | | Row Crops Fallow Fiel | | RESTIN | IG | 0 | 0 | 0 | |
| Parking Lo | | ient | | 0 | 0 | 0 | | Excavation, Dredging | | | | | 0 | 0 0 | | Fallow Fiel | _D) ` | | | 0 | 0 | 0 | |
| Golf Cours | | | | 0 | 0 | 0 | | Fill/Spoil Banks Freshly Deposited Sediment | | | | | 0 | 0 | | SHRUBS, TRE Nurserv | ES) | | | 0 | 0 | 0 | |
| Lawn/Park Suburban | | tial | | 0 | 0 | 0 | | (UNVEGETAT | | osure | 162 | 0 | 0 | 0 | | Dairy | | | | 0 | 0 | 0 | |
| Urban/Mul | | illa. | | 0 | 0 | 0 | | Wall/Ripra | | | | 0 | 0 | 0 | | Orchard | | | | 0 | 0 | 0 | |
| Landfill | diaminy | 100 | | 0 | 0 | 0 | | Iniets, Out | | | | 0 | 0 | 0 | | Confined A | Animal Fee | edina | | 0 | 0 | 0 | |
| Dumping | | | | 0 | 0 | 0 | | Point Sour | ce/Pipe | | | 0 | 0 | 0 | | Rural Resi | | - 3 | | 0 | 0 | 0 | |
| Trash | | | | 0 | 0 | 0 | | (EFFLUENT C Impervious (SHEETFLOW | surface | | | 0 | 0 | 0 | | Gravel Pit | | | | o | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Other: | 9 | | | 0 | 0 | 0 | | Irrigation | | | | o | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | Other: | _ | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | |
| Indu | strial D | evel | opmo | ent S | Stres | ssor | S | | | | | | labit | at/V | egeta | tion Stress | sors | | | | | | |
| ill bubble | if prese | ent - l | Plot | 1 | 2 | 3 | Flag | Fill bubble | if prese | nt - F | Plot | 1 | 2 | 3 | Flag | Fill bubb | le if pres | ent - F | Plot | 1 | 2 | 3 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | | Forest Clea | r Cut | | | 0 | 0 | 0 | | Herbicide L | Jse | | | 0 | 0 | 0 | MEDICINE METERS |
| Gas Wells OOO | | | | | | | Forest Sele | ctive Cut | | | 0 | 0 | 0 | | Mowing/Sh | rub Cutting | g | | 0 | 0 | 0 | | |
| Mine (surface) | | | | | | | Tree Planta | tion | 100 | 1 | 0 | 0 | 0 | | Trails | | | | 0 | 0 | 0 | 1 | |
| Mine (underground) | | | | | | 100 | Tree Canop | | ory | 487 | 0 | 0 | 0 | | Soil Compa | | | | 0 | 0 | 0 | · · · | |
| Military | | | 2001 d la 2 | 0 | 0 | 0 | | Shrub Laye | | d | | • | 0 | 0 | | Offroad veh | | ae | | 0 | 0 | 0 | |
| Other: | | | | 0 | 0 | 0 | | (WILD OR DON Highly Graz | ed Grass | ses | | 0 | 0 | 0 | | Soil erosion | (FROM WI | | TER, | 0 | 0 | 0 | |
| | | | | | | | | (OVERALL <3" Recently Bu | | est | | | | 0 | | OR OVERUSE) Other: | | | | 0 | | 0 | |
| Other: | | | | 0 | 0 | 0 | | Canopy Recently Bu | ırned Gra | esslar | nd | 0 | 0 | | | | | | | _ † | 0 | | |
| Other: Other: OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO | | | | | | | | | | | | | | | | | | | | | | | |
| | uffer Sar | | | | /27/ | Exp | | lags in comm | | | | | | | Augu D | y davii litiid C | | 2 | 2428 | 168 | 304 | | |
| DI | Jal | | | - 00 | , - / / · | | | | | | | | | | | | | | | | | | |

| FORM B-1: BUFFER SAMPLE PLOTS (Front) Reviewed by (Initial): | | | | | | | | | | | 0 | | | | | | | | | | | | |
|--|-------------------|------------|----------|--------------|---------------|-------------------------|---|-----------------------------|---|----------------|----------|----------|--|--|-------------------------|-------------------------|---------------------|----------|-----------|----------|-----------|------|------|
| Site ID: PCAPH1/241. DATE: 812312012 | | | | | | | | | | | | 2 | | | | | | | | | | | |
| Location: | | | | | | | | | Fill in bubble(s) if plot(s) could not be sampled and | | | | | | | | | | nd fl | ag - | → | | 1 |
| O AA Center O N | | | | | S | 0 E | = 0 | W | W O Plot 1 O Plot 2 O Plot 3 | | | | | | | | | | | 1 | | | |
| Buffer Natural Cover Strata Fill in bubbles for all that apply: Canopy Type; D = Deciduous; E = Evergreen, Leaf Type; B = Broadleaf; N = Needle Leaf, Absent; No tree canopy. Strata Section: Fill in appropriate cover class bubble for each strata type for each plot. 0 = Absent; 1 = Sparse(<10%); 2=Moderate(10-40%); 3 = Heavy (40-75%); 4 = Very Heavy (>75%) | | | | | | | | | | | | | | | >75%) | | | | | | | | |
| Buffer Plot 1 | | | | Absent | | | t: O | Buffer Plot 2 | Canopy Type: | | | | Absent: C | | : O | Buffer Plot 3 | Canopy Leaf | | Absent: (| | | | |
| Big Trees (> | 0.3m DBH) | 0 | 0 | (2) | 0 | | | Big Trees (> | | | 0 | (a) | 0 | 0 | 11119 | Big Trees | (>0.3m DBH) | Ä | | তা | | 0 | 1.09 |
| Small Trees (<0.3m DBH) | | 0 | | Ō | | Small Trees (| <0.3m DBH) 0 1 | | | <u>0</u> | ŏ | | Small Trees (<0.3m DBH) | | | 0 | ŏ | Ŏ | ŏ | | | | |
| Woody Shrubs, Saplings (0.5m-5m HIGH) | | () | 0 | 0 | | Woody Shrubs | | | (2) | 0 | <u></u> | | Woody Shrubs, Saplings (0.5m-5m HIGH) | | | <u></u> | 0 | 0 | | | | | |
| Woody Shrubs, Saplings | | (2) | 0 | Ö | | Woody Shrubs | s, Saplings | 0 | 6 | 0 | <u>0</u> | <u>0</u> | | Woody Shru | bs, Saplings | | 0 | <u></u> | Ö | ŏ | | | |
| | Herbs, Forbs and | | 0 | 0 | ② | | | .5m HIGH) Forbs and | | 0 | 0 | 0 | | | | 0.5m HIGH) Forbs and | 0 | ö | ö | 0 | <u></u> | | |
| Rare | Grasses ground | 0 | O | 0 | 0 | 0 | | Bare | Grasses ground | | | 0 | 0 | 0 | | Bar | Grasses e ground | | 0 | 0 | 0 | 0 | |
| | ter, duff | 0 | 0 | 3 | - | 1 | | | ter. duff | 0 | | | _ | _ | | - | 22/13 | | = | - | | 0 | |
| Lit | | | - | <u> </u> | 0 | 0 | | LH | | 1 | 0 | 0 | 0 | $\frac{\odot}{\odot}$ | | | itter, duff | 0 | | | 0 | | |
| | Rock | | 0 | 0 | 0 | 0 | | | Rock | - | 0 | 0 | 0 | <u>0</u> | | | Rock | | 0 | 0 | 0 | 0 | -// |
| | Water | | 0 | 0 | 0 | 0 | | Ç, | Water | | 0 | 0 | 0 | <u> </u> | | | Water Submerged | 9 | 의 | 9 | 0 | 0 | |
| V | egetation | | \odot | 0 | 0 | 0 | | V | egetation | | \odot | \odot | 0 | <u>O</u> | | | Vegetation | 9 | 0 | <u> </u> | 0 | 0 | |
| Stress | or Pres | ence | e/Ab | send | :e - (| Confi | rm that | a filled data | bubble i | ndica | tes p | resen | ce an | d an | unfilled | bubble indic | ates abse | nce b | y fillir | ng thi | s bub | ble. | 9 |
| Residential and Urba | | | | an Stressors | | | | 1 | Hydrology Stress | | | sors | | | | Agricultural & Ru | | | & Rui | ral S | tres | sors | |
| Fill bubble if present - Plot | | | 1 | 2 | 3 | Flag | Fill bubble | if pres | f present - Plot | | 1 | 2 | 3 | Flag | Fill bubble | if presen | t - Pi | ot | 1 | 2 | 3 | Flag | |
| Road - gravel | | 0 | 0 | 0 | | | | annelization | | 0 | 0 | 0 | | Pasture/Hay | | | | 0 | 0 | 0 | | | |
| Road - two lane | | | 0 | 0 | 0 | | Dike/Dam/Road/RR Bed (IMPEDE FLOW) | | | | 0 | 0 | 0 | | Range | | | | 0 | 0 | 0 | | |
| Road - four lane | | | 0 | 0 | 0 | | Water Level Control Structure | | | 0 | 0 | 0 | | Row Crops | | | | 0 | 0 | 0 | | | |
| Parking Lot/Pavement | | | 0 | 0 | 0 | | Excavation, Dredging | | | 0 | 0 | 0 | | Fallow Field | | | | 0 | 0 | 0 | | | |
| Golf Course | | | 0 | 0 | 0 | : | Fill/Spoil Banks | | | 0 | 0 | 0 | | Fallow Field (OLD - GRASS, SHRUBS, TREES) | | | | 0 | 0 | 0 | | | |
| Lawn/Park | | | 0 | 0 | 0 | 12 | Freshly Deposited Sediment (UNVEGETATED) | | | 0 | 0 | 0 | 1 6 | Nursery | | | | 0 | 0 | 0 | | | |
| Suburban Residential | | 0 | 0 | 0 | | Soil Loss/Root Exposure | | | 0 | 0 | 0 | | Dairy | | | | 0 | 0 | 0 | | | | |
| Urban/Multifamily | | 0 | 0 | 0 | | Wall/Riprap | | | 0 | 0 | 0 | | Orchard | | | | 0 | 0 | 0 | | | | |
| Landfill | | | 0 | 0 | 0 | | Inlets, Outlets | | | 0 | 0 | 0 | | Confined A | Confined Animal Feeding | | | 0 | 0 | 0 | | | |
| Dumping | | | 0 | 0 | 0 | | Point Source/Pipe (EFFLUENT OR STORMWATER) | | | 0 | 0 | 0 | | Rural Resid | dential | | H | 0 | 0 | 0 | | | |
| Trash | | | 0 | 0 | 0 | | Impervious surface input (SHEETFLOW) | | | 0 | 0 | 0 | | Gravel Pit | | | | 0 | 0 | 0 | | | |
| Other: | | | 0 | 0 | 0 | | Other: | | | 0 | 0 | 0 | | Irrigation | | | | 0 | 0 | 0 | | | |
| Other: | 300 ID 80 300 II | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | | Other: | | | | 0 | 0 | 0 | |
| Indu | strial De | | | | | | Habi | tat/V | egeta | tion Stressors | | | | | | | | | | | | | |
| Fill bubble | if prese | ent - F | Plot | 1 | 2 | 3 | Flag | Fill bubble | if prese | nt - E | Plot | 1 | 2 | 3 | Flag | Fill bubb | le if prese | ent - F | Plot | 1 | 2 | 3 | Flag |
| Oil Drilling | | | | 0 | 0 | 0 | | Forest Clear | r Cut | | | 0 | 0 | 0 | | Herbicide U | se | | | 0 | 0 | 0 | |
| Gas Wells | | 0 | 0 | 0 | | Forest Selective Cut | | | 0 | 0 | 0 | | Mowing/Shr | ub Cutting |) | | 0 | 0 | 0 | | | | |
| Mine (surface) | | | 0 | 0 | 0 | | Tree Plantation | | | 0 | 0 | 0 | | Trails | | | | 0 | 0 | 0 | | | |
| Mine (underground) | | | 0 | 0 | 0 | | Tree Canopy Herbivory | | | 0 | 0 | 0 | | Soil Compa | | | | 0 | 0 | 0 | | | |
| Military | | | 0 | 0 | 0 | | (INSECT) Shrub Layer Browsed | | | • | 0 | 0 | | Offroad veh | | ae | | 0 | 0 | 0 | Jan Silvi | | |
| Other: | | | 0 | 0 | 0 | | (WILD OR DOMESTIC) Highly Grazed Grasses | | | 0 | 0 | 0 | | Soil erosion (FROM WIND, WATER, | | | TER, | 0 | 0 | 0 | | | |
| | | | 10000 | 0.000 | | | (OVERALL <3" HIGH) Recently Burned Forest | | | 1150 | | | | OR OVERUSE) | | | | | | | | | |
| Other: | | | 0 | 0 | 0 | | Canopy Recently Burned Grassland | | | 0 | 0 | 0 | | Other: | | | - | 0 | 0 | 0 | | | |
| Other: Flag codes: K = No me | | | 0 | 0 | 0 | | (BLACKENED) | | | | 0 | 0 | 0 | | Other: | | 000 | | | | | | |
| | | | | | ment /27/2 | Exp | | uspect measu ags in comm | | | | | | | igned b | у еасп пею сі | ew. | 2 | 2428 | 168 | 304 | | |
| BI | uffer San | ibis i | IULS | U.S. | 161/4 | COTT | | | | | | | | | | | | | | | | | |

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey Cleveland Metroparks Tier 1: Early detection/ Rapid response Presence GPS SW NW Presence X: yes Microstegium vimineum Japanese stiltgrass Ranunculus ficaria Lesser Celandine Cynanchum Iouiseae (vine) Black Swallow-wort Butomus umbellatus (wetland) Flowering Rush Heracleum mantegazzianum Giant Hogweed Tier 2: Assess as Needed # of Plants comments SE SW # of Plants NE WW Acer platanoides 1: 1-10 Norway Maple 2: 11-50. Tree of Heaven Ailanthus altissima (vine) Japanese Honeysuckie 3: 51-100 Lonicera japonica 4: 101-1,000 (wetland) Purple Loosestrife Lythrum salicaria Aegopodium podagraria (G-cover) Bishop's Goutweed 5: >1,000 (vine) Asian Bittersweet Celastrus orbiculatus Hedgeparsley Torilis sp. Conium maculatum Poison Hemlock Common Buckthorn (shrub) Rhamnus cathartica Japanese Barberry (shrub) Berberis thunbergii European Alder Alnus glutinosa Dipsacus laciniatus Cut-leaf Teasel Autumn Olive (shrub) Elaeagnus umbellata (shrub) Amur Honeysuckle Lonicera maackii Euonymus fortunei Wintercreeper Tier 3: Presence is of Interest # of Plants comments # of Plants NE SE SW NW 1: 1-10 Convallaria majalis (G-cover) Lily of the Valley 2: 11-50. Coronilla varia (G-cover) Crown Vetch 51-100 Eleutherococcus pentaphyllus (shrub) Five-leaf Aralia 4: 101-1,000 Pachysandra terminalis (G-cover) Japanese Pachysandra >1,000 Philadelphus coronarius Mock Orange (shrub) Pulmonaria officinalis (G-cover) Lungwort Rubus phoenicolasius Wineberry Iris pseudacorus (wetland) Yellow Flag Iris Star of Bethlehem Ornithogalum umbellatum Viburnum opulus var. opulus European Cranberry (shrub) (shrub) Viburnum plicatum Doublefile Viburnum Tier 4: Widespread and abundant Presence comments NE SE SW NW Presence X: yes Alliaria petiolata Garlic Mustard 2 Common Privet (shrub) Ligustrum vulgare L. morrowii, L. tatarica **Bush Honeysuckles** (shrub) Phalaris arundinacea Reed Canarygrass Phragmites australis (wetland) Phragmites Polygonum cuspidatum Japanese Knotweed (shrub) Frangula alnus Glossy Buckthorn

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

(wetland)

(shrub)

5

5

(G-cover)

Multiflora Rose

Canada thistle

Common Teasel Dame's Rocket

Cattails

Periwinkle

Rosa multiflora

Cirsium arvense

Dipsacus fullonum

Hesperis matronalis
Vinca minor

Typha angustifolia, T. x.glauca