Comment required if item answer is NO Parking/Access outside of Park Boundaries: \(\begin{align*} \text{N} \\ \text{If yes, write details in Comments section below} \) Field journals completed \(\begin{align*} \text{N} \\ \text{N} \\ \text{Site sketch made on 1:3000 map?} \) Check cover page \(\begin{align*} \text{X-axis Bearing of plot recorded} \) \(\begin{align*} \text{N} \\ \text{N} \\ \text{North direction recorded} \) \(\begin{align*} \text{N} \\ \text{N} \\ \text{North direction recorded} \) \(\begin{align*} \text{N} \\ \text{N} \\ \text{Photographs taken?} \) \(\begin{align*} \text{N} \\ \text{Potographs taken?} \\ \text{N} \\ \text{Potographs taken?} \\ \text{N} \\ \text{Potographs taken?} \\ \text{N} \\ \t	CLEVELAND MET	ROPARKS Plant Community Asse	ssment Pro	gram	: Quality Control Form
Parking/Access outside of Park Boundaries: Pield journals completed N N N N N N Check cover page X-axis Bearing of plot recorded QP Coords, Recorded QP Coords, Recorded QP Coords, Recorded QP N North direction recorded QP N North directio	Project Label:	PCAP PCAP	P	lot N	e: Quality Control Form O: 3364 Date Sampled: 6/26/15 Lead: CKM
Field journals completed Site sketch made on 1;3000 map? Check cover page X-axis Bearing of plot recorded OPS coords. Recorded OPS coords. Recorded OPS n North direction recorded North dire					Comment required if item answer is NO
Check cover page Axis Bearing of plot recorded OP Coords. Recorded OP N North direction recorded OP N Photographs taken? Relocated Pins Mapped Plot No., Date agreement on all pages? Cover classes recorded in all intensive modules Browse Level By Species OP N Browse Level By Species OP N Browse Level By Species OP N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check OP N Core the Strain (confirm cover type) OF N Core by Strain? (confirm cover type) OF N Cores by Strain? (confirm cover type) OF N Cores beek 2010 information OP N Highlight any changes from 2010 information OP N Coucher Labeled on collection bug Data sheets of Abetes scanned? Data sheets Scanned? Enter date to left Enter date to left Enter date to left Drier John VOUCHERS Original GRTS point lands in a non-sampleable area (fill in category below) OP N CGRTS point verification: Is plot sampleable? OP N Original GRTS point lands in a non-sampleable area (fill in category below) Press (fill in auter (i.e. river, lake) OP N Original GRTS point lands in a non-sampleable area ripht-of-way) Press (fill in category below) Press (fill in category below) Press (fill in auter (i.e. river, lake) OP N Original GRTS point lands in a non-sampleable area ripht-of-way) Press (fill in category below) OP N OF ORDERS OF STAND AND AND AND AND AND AND AND AND AND	Parking/Access outsid	e of Park Boundaries:		N	if yes, write details in Comments section below
Check cover page Axis Bearing of plot recorded OP Coords. Recorded OP N North direction recorded OP N Photographs taken? Relocated Pins Mapped Plot No., Date agreement on all pages? Cover classes recorded in all intensive modules Browse Level By Species OP N Browse Level By Species OP N Browse Level By Species OP N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check OP N Core the Strain (confirm cover type) OF N Core by Strain? (confirm cover type) OF N Cores by Strain? (confirm cover type) OF N Cores beek 2010 information OP N Highlight any changes from 2010 information OP N Coucher Labeled on collection bug Data sheets of Abetes scanned? Data sheets Scanned? Enter date to left Enter date to left Enter date to left Drier John VOUCHERS Original GRTS point lands in a non-sampleable area (fill in category below) OP N CGRTS point verification: Is plot sampleable? OP N Original GRTS point lands in a non-sampleable area (fill in category below) Press (fill in auter (i.e. river, lake) OP N Original GRTS point lands in a non-sampleable area ripht-of-way) Press (fill in category below) Press (fill in category below) Press (fill in auter (i.e. river, lake) OP N Original GRTS point lands in a non-sampleable area ripht-of-way) Press (fill in category below) OP N OF ORDERS OF STAND AND AND AND AND AND AND AND AND AND	Field journals complet	ed	9	N	
GPS coords. Recorded North direction recorded Photo direction recorded Photographs taken? Photographs taken? Relocated Priss Mappeed N N Relocated In all Intensive modules N N Relocated In all Intensive modules N N Relocated In all Intensive modules N N Response Level By Species Noody stem quality control check N N Rowse Level By Species Noody stem quality control check N N Rowse Level By Species Noody stem quality control check N N Rowse Level By Species Noody stem quality control check N N Rowse Level By Species Noody stem quality control check N N Rowse Level By Species Noody stem quality control check N N Rowse Level By Species Noody stem quality control check N N Rowse Level By Species N Rowse Leve	Site sketch made on 1	:3000 map?	0	N	
North direction recorded Photographs taken? Relocated Pins Mapped Pins Mapped Photographs taken? Relocated Pins Mapped Photographs taken? Relocated Pins Mapped Photographs taken? N N Plot No., Date agreement on all pages? N N Header data completed all pages? N N N N N N N N N N N N N N N N N N N	Check cover page	X-axis Bearing of plot recorded		N	
Photographs taken? Relocated Pins Mapped N N Relocated Pins Mapped N N Header data completed all pages? N N Header data completed all pages? N N Cover classes recorded in all Intensive modules N N Browse Level By Species N N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Highlight any changes from 2010 information Vouchers labeled on datasheet with initials and number Y N Common equipment returned to tub. Y N Data sheet QA before leaving site? Y N Common equipment returned to tub. Y N Data sheets scanned? Enter date to left Enter date to left Enter date to left Enter date to left Enter date to left En		GPS coords. Recorded	(9)	N	
Relocated Pins Mapped Plot No., Date agreement on all pages? Header data completed all pages? N N Header data completed all pages? N N Cover classes recorded in all Intensive modules N N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check N N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check N N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check N N Completed Fores Pest/Pathogen Datasheet N N Corest by Strata? (confirm cover type) N Soil samples collected with matching plot #. Cross check 2010 information N Highlight any changes from 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag N Pink flags removed N Data sheet QA before leaving site? Common equipment returned to tub. Data sheets scanned? Enter date to left Fries (#) N Voucher Soil Survey Voucher Location (*Vouchers objected) Press (#) Pre		North direction recorded	0	N	
Plot No., Date agreement on all pages? Header data completed all pages? N N		Photographs taken?	N	N	
Header data completed all pages? Cover classes recorded in all Intensive modules N Browse Level By Species N Check every line and cross check with the Tree Cover Sheet Invasive plantity control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Cover by Strata? Control by Strata? Control by Strata? Control by Strata? Cover by Strata? Cover by Strata? Cover by Strata? Cover by Strata? N Cover by Strata? N Cover by Strata? N Highlight any changes from 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag N Vouchers labeled on collection bag N Pink flags removed Data sheet QA before leaving site? On N Data sheets scanned? Enter date to left Enter mumber to left Press (#) N COUCHERS Drier Y N COUCHERS Drier COUCHERS Drie		Relocated Pins Mapped	(8)	N	
Header data completed all pages? Cover classes recorded in all Intensive modules N Browse Level By Species N Check every line and cross check with the Tree Cover Sheet Invasive plantity control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Check every line and cross check with the Tree Cover Sheet Invasive plant quality control check Y N Cover by Strata? Control by Strata? Control by Strata? Control by Strata? Cover by Strata? Cover by Strata? Cover by Strata? Cover by Strata? N Cover by Strata? N Cover by Strata? N Highlight any changes from 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag N Vouchers labeled on collection bag N Pink flags removed Data sheet QA before leaving site? On N Data sheets scanned? Enter date to left Enter mumber to left Press (#) N COUCHERS Drier Y N COUCHERS Drier COUCHERS Drie	Plot No., Date agreem	ent on all pages?	6	N	
Browse Level By Species Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees mapped Woody stem quality control check Your Note Ash trees The Ash tre	Header data completes	i all pages?		N	
Woody stem quality control check Invasive plant quality control check Ash trees mapped Completed Forest Pest/Pathogen Datasheet Cover by Strata? (confirm cover type) Soil samples collected with matching plot #. Cross check 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Pink flags removed Data sheet QA before leaving site? Common equipment returned to tub. Pata sheets scanned? Final data sheets scanned? Buffer Widths measured? Web Soil Survey Voucher Location Refrigerator Y N Check every line and cross check with the Tree Cover Sheet Y N Highlight any changes from 2010 information Whighlight any changes from 2010 information Highlight any changes from 2010 information Whighlight any changes from 2010 information Highlight any changes from 2010 information Whighlight any changes from 2010 information Highlight any changes from 2010 information Highligh	Cover classes recorded	l in all Intensive modules	(Y)	N	
Invasive plant quality control check Ash trees mapped Completed Forest Pest/Pathogen Datasbeet Cover by Strata? (confirm cover type) Soil samples collected with matching plot #. Cross check 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Pink (lags removed Data sheet QA before leaving site? Common equipment returned to tub. Data sheets scanned? Enter date to left Enter date to left Buffer Widths measured? Web Soil Survey Voucher Location Refrigerator Y N Woucher Sollected) Press (#) Fress (#) Enter number to left Enter number to left Mounted Y N GRTS point verification: Is plot sampleable? Pes Original GRTS point is sampleable Original GRTS point lands in a non-sampleable area (fill in category below) Paved area (ice persingle, road) Paved area (ice persingle, road)	Browse Level By Spec	ies	0	N	
Invasive plant quality control check Ash trees mapped Completed Forest Pest/Pathogen Datasheet Cover by Strata? (confirm cover type) Over by N Over by	Woody stem quality co	ontrol check	(Y)	N	Check every line and cross check with the Tree Cover Sheet
Completed Forest Pest/Pathogen Datasheet Cover by Strata? (confirm cover type) Soil samples collected with matching plot #. Cross check 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Vouchers labeled on collection bag Pink flags removed Data sheet QA before leaving site? Common equipment returned to tub. Vouchers labeled seaving site? Common equipment returned to tub. Vouchers labeled seaving site? Enter date to left Final data sheets scanned? Refrigerator Y N Voucher Location (# vouchers collected) NO VOUCHERS Original GRTS point is sampleable? Yes Original GRTS point is sampleable area (fill in category below) Point falls in a water (i.e. river, lake) Paved area (i.e. pair course, pienie area, right-of-way) Paved area (i.e. pair course, pienie area, right-of-way) Paved area (i.e. pair course, pienie area, right-of-way)	Invasive plant quality	control check	Y	N	
Completed Forest Pest/Pathogen Datasheet Cover by Strata? (confirm cover type) Soil samples collected with matching plot #. Cross check 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Vouchers labeled on collection bag Pink flags removed Data sheet QA before leaving site? Common equipment returned to tub. Vouchers labeled seaving site? Common equipment returned to tub. Vouchers labeled seaving site? Enter date to left Final data sheets scanned? Refrigerator Y N Voucher Location (# vouchers collected) NO VOUCHERS Original GRTS point is sampleable? Yes Original GRTS point is sampleable area (fill in category below) Point falls in a water (i.e. river, lake) Paved area (i.e. pair course, pienie area, right-of-way) Paved area (i.e. pair course, pienie area, right-of-way) Paved area (i.e. pair course, pienie area, right-of-way)	Ash trees mapped		(4)	N	. V
Cover by Strata? (confirm cover type) Soil samples collected with matching plot #. Cross check 2010 information N Highlight any changes from 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag N Highlight any changes from 2010 information Vouchers labeled on collection bag N N Pink flags removed Q N Data sheet QA before leaving site? Common equipment returned to tub. Y N Data sheets scanned? Enter date to left Enter date to left Enter date to left Buffer Widths measured? Y N Web Soil Survey Y N Voucher Location (# vouchers collected) NO VOUCHERS Mounted Thrown away Y N GRTS point verification: Is plot sampleable? Q Yes Original GRTS point is sampleable NO Original GRTS point lands in a non-samplcable area (fill in category below) Point falls in a water (i.e. prive, late) Paved area (i.e. peringdot, road)	Completed Forest Pest	/Pathogen Datasheet		N	
Soil samples collected with matching plot #. Cross check 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Pink (lags removed Data sheet QA before leaving site? Common equipment returned to tub. Data sheets scanned? Enter date to left Enter date to left Enter date to left Buffer Widths measured? Web Soil Survey Voucher Location (# voucher collected) Press (#) Drier Y N Mounted Y N Gents point verification: Is plot sampleable? Point falls in a water (i.e. river, lake) Paneaged mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parioglos) Paved area (i.e. pair course, picnic area, right-of-way)	5.00		(0)	N	
Cross check 2010 information Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Vouchers labeled	PROCESS OF THE STATE OF	\$500 to \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$10		N	W.
Vouchers labeled on datasheet with initials and number Vouchers labeled on collection bag Vouchers labeled on collection bag Pink flags removed Pata sheet QA before leaving site? Common equipment returned to tub. Pata sheets scanned? Enter date to left Enter number to left Voucher Location (#voucher collected) Pess (#) Enter number to left Mounted Y N Identified Y N Mounted Y N GRTS point verification: Is plot sampleable? Pes Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. giver, lake) Ananged mowed area (i.e. poir course, picnic area, right-of-way) Paved area (i.e. persinglot, road)					Highlight any changes from 2010 information
Vouchers labeled on collection bag Pink flags removed Pata sheet QA before leaving site? Common equipment returned to tub. Pata sheets scanned? Enter date to left Direr Y N Enter number to left Press (#) Enter number to left Drier Y N Identified Y N Mounted Y N GRTS point verification: Is plot sampleable? Proint falls in a water (i.e. giver. lake) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. perkinglot, road)	Vouchers labeled on d	atasheet with initials and number			A CONTRACTOR OF THE CONTRACTOR
Pink flags removed Data sheet QA before leaving site? Common equipment returned to tub. Data sheets scanned? Enter date to left Enter date to left Enter date to left Buffer Widths measured? Web Soil Survey Voucher Location Refrigerator Press (#) Enter number to left Enter number to left Press (#) Identified Y N Mounted Y N GRTS point verification: Is plot sampleable? Yes Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. poir course, pienic area, right-of-way) Paved area (i.e. patringlot, road)				-	NONE
Data sheet QA before leaving site? Common equipment returned to tub. Data sheets scanned? Enter date to left Enter date date date date date date date date					
Common equipment returned to tub. Data sheets scanned? Enter date to left Enter date to left Enter date to left Enter date to left Buffer Widths measured? Web Soil Survey Y N Voucher Location (# vouchers collected) Press (#) Drier Identified Y N Mounted Y N Mounted Y N GRTS point verification: Is plot sampleable? Point falls in a water (i.e. river, take) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. golf course, picnic area, right-of-way)		leaving site?			
Data sheets scanned? Enter date to left Ente		0 (c - 1 - 1)			
Final data sheets scanned? Buffer Widths measured? Y N Web Soil Survey Y N Voucher Location Refrigerator Press (#) Drier Y N Mounted Y N Mounted Y N Mounted Y N GRTS point verification: Is plot sampleable? Yes Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. plote, plenic area, right-of-way) Paved area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)	Data sheets scanned?				Enter date to left
Buffer Widths measured? Web Soil Survey Y N Voucher Location Refrigerator Press (#) Drier Y N Identified Y N Mounted Y N Thrown away Y N Thrown away Y N CRTS point verification: Is plot sampleable? Yes Original GRTS point is sampleable No Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. river, lake) Managed mowed area (i.e. golf course, pienic area, right-of-way) Paved area (i.e. parkinglot, road)		ned?	1		
Web Soil Survey Y N Voucher Location Refrigerator Y N Enter number to left Press (#) Drier Y N Identified Y N Mounted Y N Thrown away Y N GRTS point verification: Is plot sampleable? Yes Original GRTS point is sampleable No Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. plver, lake) Managed mowed area (i.e. point carea, right-of-way) Paved area (i.e. parkinglot, road)			Y	N	Enter date to lot
Voucher Location Refrigerator Y N Press (#) Enter number to left NO VOUCHERS Identified Y N Mounted Y N Thrown away Y N GRTS point verification: Is plot sampleable? Pess Original GRTS point is sampleable No Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)					
Press (#) NO VOUCHERS Drier		Refrigentor			
Mounted Y N Mounted Y N Thrown away Y N GRTS point verification: Is plot sampleable? Point falls in a mon-sampleable area (fill in category below) Point falls in a water (i.e. golf course, picnic area, right-of-way) Paved area (i.e. perkinglot, road)	757				Enter number to left
Identified Y N Mounted Y N Thrown away Y N GRTS point verification: Is plot sampleable? Yes Original GRTS point is sampleable Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. river, lake) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)			v	N	Since number to terr
Mounted Y N Thrown away Y N GRTS point verification: Is plot sampleable? Yes Original GRTS point is sampleable No Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. river, lake) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)	Mo Mocuries				
Thrown away Y N GRTS point verification: Is plot sampleable? Point GRTS point is sampleable No Original GRTS point lands in a non-sampleable area (fill in category below) Point falls in a water (i.e. river, lake) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. perkinglot, road)			_		
GRTS point verification: Is plot sampleable? — Yes Original GRTS point is sampleable — No Original GRTS point lands in a non-sampleable area (fill in category below) — Point falls in a water (i.e. fiver, lake) — Managed mowed area (i.e. golf course, picnic area, right-of-way) — Paved area (i.e. parkinglot, road)		School Co.			
☐ Yes Original GRTS point is sampleable ☐ No Original GRTS point lands in a non-sampleable area (fill in category below) ☐ Point falls in a water (i.e. river, take) ☐ Managed mowed area (i.e. golf course, picnic area, right-of-way) ☐ Paved area (i.e. parkinglot, road)		THEOWI EWEY	1 .	IV	
□ Yes Original GRTS point is sampleable □ No Original GRTS point lands in a non-sampleable area (fill in category below) □ Point falls in a water (i.e. river, take) □ Managed mowed area (i.e. golf course, picnic area, right-of-way) □ Paved area (i.e. parkinglot, road)	CDTC material to	land familiary and Children			
Original GRTS point lands in a non-sampleable area (fill in category below) Do Point falls in a water (i.e. river, take) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)			-		A CONTRACTOR OF THE CONTRACTOR
Point falls in a water (i.e. river, lake) Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)		.73			
Managed mowed area (i.e. golf course, picnic area, right-of-way) Paved area (i.e. parkinglot, road)	□ No	And the second s		arca (fill in category below)
Paved area (i.e. parkinglot, road)					and a firm
			course, picnic	area, n	pri-oi-wayi
			:)		

Found all pins, Park at end of Hemington Blvd Cul-de-Sac

(Q)	

SAMPLING QUALITY* CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet TAXONOMIC ACCURACY GENERAL INFORMATION Minimum required fields in Bold and Underlined TAXONOMIC STANDARD PLOT NOT SAMPLED: Plot No.: 2364 Plot Name: Pretty boring plot Project Label: PCAP Very thorough Effort Level: Project Name: 02 SC 2015 /ascul Accurate ind date (if > 1 day): hate (mm/dd/yyyy): 8 /26/2015 Perm. water | D Paved | Slope | Safety Roles: Co-leader, Asst., Guide, Owner, Taxonomist, etc. Minne Level 5 (nested corners sampled) Level 4 (no nested corners sampled) beitge) high. G&C modera. subjective evaluation of may still provide good sampling. Hurried plots how much effort put into Pub Date: Role** Plot leader Moody wol o Other 1998 State: OH Check one: X Public data Derivate Data Plot placement: XGRTS Photo Nos.: C4893 GPS location in plot x=0 to 5, y=-1,0,+1): a Other (specify) ■ Lat/Long □ UTM □ StatePlane □ Fuzz. 100m □ Fuzz. 250m □ Fuzz. 500m Data Confidentiality: Local Place Names: Hemington Blvd Quadrangle: Chaurin Falls LOCATION Camera No.:_ Coord. Accuracy: X m u ft
GPS File Name: 3364 x = O y = O (base of plot x=0, y=0) Datum: NAD83/WGS84 - NAD27 Coordinate system: Source of coordinates

MAP Landowner: CMP intensive modules: 2, 3, 8, 9 Depth: (1-5): f data not public why? 3 Random

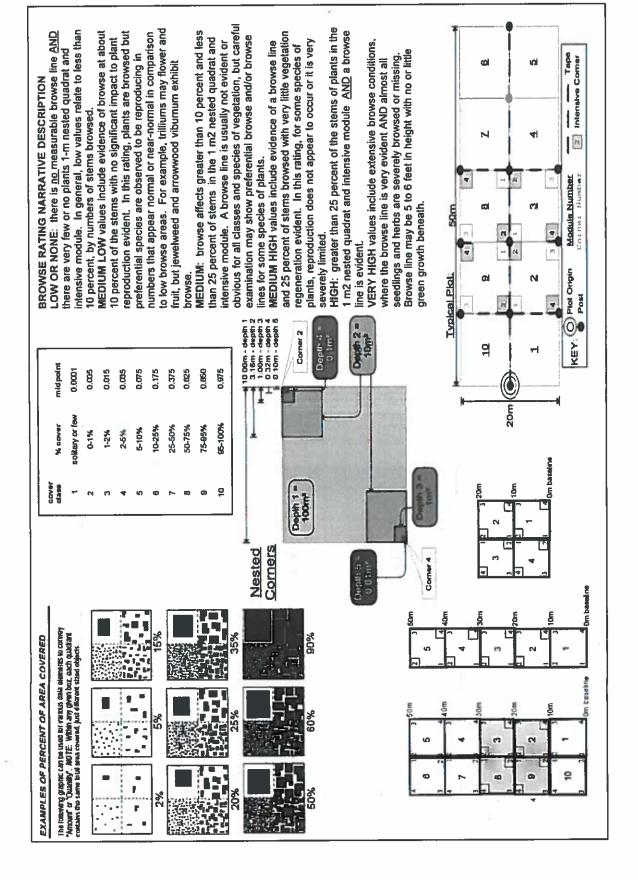
Stratified Random

Transect component Plot size for cover data: attude: 41.4 Systematic (grid) © Capture specific feature

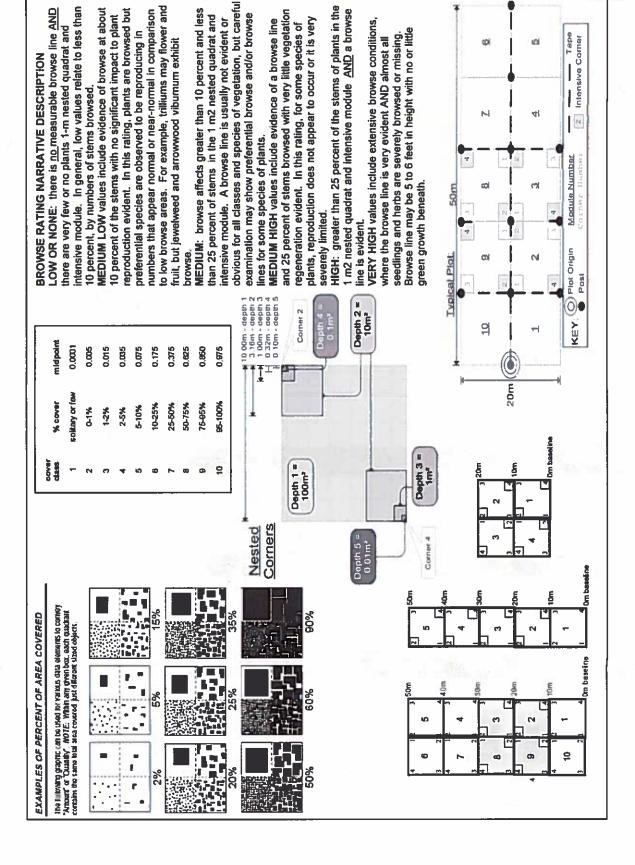
Other ongitude: 81,47428 *Definitions and values in CM PCAP FOM v. 1.0 and CVS Field Guide X-axis Bearing of plot: County: Cuyahoga 🗖 deg 🗅 deg min □ Representative ■ GPS [HP] ° hectares) by Red Maple and Tulip. The shrub layer is dominated by maples. The harb layer is is sparse dominated by from the harb layer Rationale: GRTS Location: Park at the Cul-de-Sac on the southern and of Hemmington Blvd. Plot is NOTES: Include Layout (any unusual shape details), Location (directions and landscape content), Rationale (why here), and Veg Characterization (description of community, 9 dominants, strata, BROWSE). Additional notes in space on back. Layout: 2x5 ~30m south into woods. 01% Ħ E 27 (Bellevilum Meire Page 1 of 2 OVER 5 8

CLEVELAND METROPARKS Plant Community Assessment Program - Background Data Sheet PCAP Project Name: 025620	mmunity Assessment P	rogram - Background Data Sheet Project Name: 025C 2015	und Data (Sheet 2 2015	P	lot No.:	Plot No.: 3364	V7 clantem Mulnimum. Page 2 of 2
MODIFIED NATURESERVE CLASS*			DISTU	DISTURBANCES				
CODE (on separate form):	Fit= Conf=		type*	severity**	yrs ago %	% of plat	description	
7			Нитап					
C02			Natural					
COMMUNITY NAME:			Fire					
			Cut					
Brech - Maple Forest			Animal	W	0	100	DERT Browse	950
			Other					
HOMOGENEITY			**L=low	ML=med lov	', M=med, N	H=med h	**L=low, ML=med low, M=med, MH=med high. H=high, VH=very high	very high
I Compositional	Compositional trend across the plot		Current	Current Land Use:	CMP		į	
Conspicuous inclusions □ Irregular/pattern mosaic	m mosaic		Former	Former Land Use:				
	HYDROLOGIC REGIME*	GIME*						
	Adpland (seldom flooded)	o Inte	o Intermittently flooded	popod				
SALINITY*	in Intermittently/seasonally saturated		□ Semipermanently flooded	y flooded				
n Saltwater	(seldom flooded)	a Per	a Permanently flooded	oded				
D Brackish	D Permanently/Semipermanent, saturated		□ Tidal/Seiche flooded daily	oded daily				
n Fresh	(dry <1/yr, seldom flooded)		al/Seiche flo	□ Tidal/Seiche flooded monthly				
Upland (n/a)	□ Occasionally flooded (<1/yr)		al/Seiche flo	 Tidal/Seiche flooded irregular 				
	a Temporarily flooded	Э)	(e.g. wind, storms)	ms)	35			
(by default unless plot is a wetland)		n Uni	u Unknown					
Additional notes & diagrams: (Representativeness of plot to the stand, successional status, maturity, etc.)	ness of plot to the stand, succes	ssional status, maturity,	etc.)	7	-	-	-	•
The stand is une	even-aged for H	ne most par	t but	ETT A	consid	2rab/s	e portier	of of
Deven-aged Red Maple. Plot is close to the interstate and smells like diesel fumes	•	to the in	irstat	c and	swe !	S TH	e diesel	Fumes
and deer pis ourine.	. It's bare a	bare and a was subject to heavy browsing in the past	subje	4 4	heavy	prem	MI pais	the past.
Not a lot going on.	the Tulips 10	cked stress	an po	d ther	C WRS	2	area	where
a small amount of mature Vitis vines crashed to the ground. I kept this a	matur Vitis	Vitis vincs crashed to the ground. I kept this a	hed 4	o the	d dun	4	Kept	this a
Boach-Maple Community because 1 it At with surrounding area of plot and the front	because Di	5年3年十	metan	ding a	וופם פ	47	+ and	the Krant
of the piot, ked maple	c 15 a major com	ponent of 15ee	ch-Map	9	haps	ota	down man o	ne alternative

Project Label:	Project Label: PCAP Project name: 02 5 C 2015	Project name:	02	5,5	SC 2015	N		믕	Plot no.:	W	36						1	1		
Total modules:	10	Intensive modules:	F		Po	Plot configuration:	igura	ation	14	×	S		1	P	ot are	Plot area (ha):		-		
			<u></u>	comer	E DOE	comer	1 N			8		borner	er mod	d comer	mod I	-	Comer	nod Q	COMPA	3 B
		Estimate for each	N	Ŧ		7		F		7	∞	_	3	20.00	_	1000			-	Z)
4	Br = Browse Level. Use cover classes to	intensive module:	depth	Ş	depa	COV	100	-	8	ğ	dega) 8	depth.	8	depth			depen	ş	함
Cleveland	describe amount of browse per species over	Summerceleied onen water	1-		i			0 0	Ħ	T	1-	d		+	A II	3 0	1	+	1	
- Company	ama pior	%unveg ground (bare soil)	1	NC]	N				14 (+	#		7	1	1	9
trata - Cov. entire plot	lot	%unveg. litter (bare litter)	_	9			1	0			_	4				9			4	
S H (F)(A) Br	Br Species	c Voucher#	_	Ş.	depth	VOD	G O		o o	QV	depth			th cov	depe	-		depen	8	dept
6₩	Acer sace	1 mg	W	ઈ	2		N	6	•		2	์ ป	2		T.	Toront.	5		_	
2	6 Fraxinus sp. (seedling)	,	3	7	12		N	7	1						1 3	S	7	W		
2	m 'denta		7	_								-						A		
2	Ų.		2	_								=			100					
2	8 Liniodendron tulinitera		2						2				2	-	W	<u>.</u>				
2	160 m		2	_			N			,	7	_	2					03		
2	Ď		2	_				_	- T-			=			100					
2-2	6		2	7	2		2	7	1		N	7	3		2	Process Control	2	N		
2	~			2	2		W	2	2		2	7		1.4	7	2		yaî:		
<u>5</u> ≡	3			৸	2			H			~	u			N	5				
2			1	2			2	2	3					1 3	N	2		N		
2	K			-		i u									231			3/4		
5.7	D.		-	2		- 23									150	U		W		
	Epiluaus virgiwiana		7	Ŧ		4						+	-							
2	احا		-	1/2			4	2		-		2			2	2		7	Ш	
=	RHAMNUS FRANGULA					V		8	2									461		
2	Arisaema triotallum var to	tion vilum						2	2		6								ĒЩ,	
2	VIrginica	~						2	2											
2	, A										2				2	100 E				
	4514	şi.																i,		
2.	Pyrus sp.					Я					. 1	_	W						, .	
4	6 Fraxinus pennsylvanica						-	N			_	7			7	2		W		
	the s										_					13				
72	M655 5P.					17									7	. 2	2			
47	Epitagus virginiana	568-h58h2	_	12							Г	F	·					22		1



CLEVELAND METROPARKS Plant Community Assessment Program Species Cover Data Sheet Cleveland Metroparks Strata - Cov. entire plot Total modules: Project Label: S H (F)(A) Br 6 Prenanthes sp. ROSA Viburnum deritatum Solidago rugosa BERBERTS THUNGERGET Amelanchier sp. Ulmus sp. describe amount of browse per species over I GUSTRUM VULGARE Br = Browse Level. Use cover classes to ō MULTI FLORA Species entire plot (seed ling) seed ma n Intensive modules: %unveg. ground (bare soil) intensive module: Estimate for each %unvegetated open water %unveg. litter (bare litter) Project name: 02562015 Voucher# %open wate H 2 2 cov i depth cov depth Plot configuration: 9 ğ nod comer ğ cov t depth Plot no.: 3364 Wa 2 x 5 8 ş depth **∞** ₹ Corner mod Ng Mg depth Plot area (ha): 1 2 8 ð depen ۵ Page _ of 8 cov i depth 4 8 ğ depth N N N N



CLEVELAND METROPARKS Plant Community Assessment Program Tree Cover Data Sheet

Project name: 02502015 Plot no.: 3364

Page

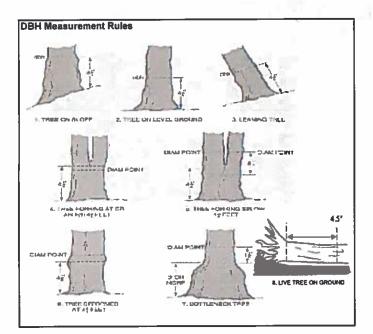
Project Label:

PCAP

Strata - Cov. entire plot	r entire p	lot		Prensence of tree mod species (X)		W	<u>\$</u>	<u>§</u>	7 0 2
-1	Br	Species	c	Voucher#	4 10			K	
J		Ulmus americana						570	×
9	7	Acer rubrum							X
7				,		X			X
5	7					×			X
57			d						×
5		Runus serofina			X		×	×	
6					X			×	×
						10000			
								2000	
		320							
								Ö.	
								1	
				:					

Project Label:	Project Label: PCAP Project name: P		Project name:		Plot no.:	
% COVER	**		Prensence of tree mod	bom bom bom	α	
Strata - Cov. entire plot	ot		species (X)			
T Br	Species	٥	Voucher#			
					Ţ	
			* 7	90% 4000		
	1	_				
				188		
			**			
					,	
					_	

* adomond a se Ø w CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 3 Empoundent minima D ther house STANDING DEAD Fraziones Sp. Explain subsample (additional room on back): Arer hubrum Ber Berts THUNBERS Age Sacchanin Acres So. Acer Sciochanum Smiles prundifilia Smilar rotunditalia Fagus Grandi Alia Fraxinus penosywanias Acer rubrum Acer rubnum Frazinis Sp. After Sweehanan Lindera bemain Vitis aesthudius iriadendran tolipitane iriodendron tulipiera Ulmus americana radus arandifiblia moderation tulation Project Label: PCAP voucher# poward 0-1.4m W 2 S) es or super % sub Project Name: 02SC205 size class (cm) woody stems >1.4m 3 1-<2.5 2.5-<5 × Plot No.: 3364 . 5-<10 10 - <15 15 - <20 20 - <25 • Page: • 25 - <30 30 - <35 . 잌 Cheveland Metroparks 35 - <40 ٠ • 43,4 62.4 68.7 >40 (record each tree) Ξ



Woody Stem Deer Browse

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

Record using the tally system from 1 to

10













ASH CANOPY CONDITION

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



В

C

D

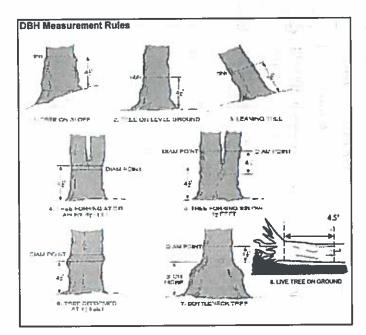
F

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

Q: U S CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet 6 6 6 6 S Acer Sacchanum Acer numm buicodendron radicans Vitis aestivalis Smillar Potundifolia STANDING DEAD Explain subsample (additional room on back): Prunus Serotina Smilax rotundifalia Vitis aestivalis Acer Sp. Ulmus americana Virnus americana Acer rubrum Acer Saccharum Acersacchanum ROSH MULTIFLOEA Linodendron tulipitez Smilax roundifilia Acer rubrum Linodendron tulipitare ther Norm travinus sp VITIS DESTIVATION ROSA HULTIFLOCA Project Label: voucher# S browsed 91.4m Stems S or super % sub Project Name (1380,2015) shrub size class (cm) woody stems >1.4m . 1-<2.5 . 2.5-<5 Plot No.: 3364 5-<10 10-<15 15 - <20 20-<25 ٠ Page: • 25 - < 30 ע 30 - <35 잋 Scienciand Metrapans 35 - <40 ö 568,61.4539 42.3 >40 (record each tree) 690,63.7



Woody Stem Deer Browse

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

Record using the tally system from 1 to













ASH CANOPY CONDITION

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



В

С

D

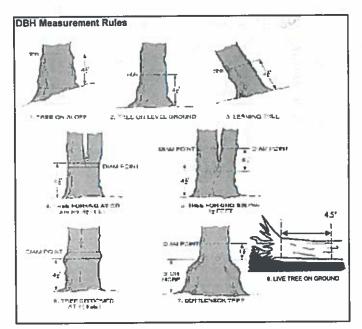
E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

d 9 Smilax Tohundifolia 8 ٥ CLEVELAND METROPARKS Plant Community Assessment Program Natural Woody Stem Data Sheet **о**Ф Smilax rotundifolia Explain subsample (additional room on back): Francis Sp. Fagus grandifolia Ager Fubrum STRNDING DEAD Fagus grandifilia Acer sacchanim Prunus serotina Vitis aestivalis Phynics Schaffing Arer sacrbarum species Project Label: PCAP voucher# 0-1.4m etracte ; or super % sub Project Name: 02 St 2015 dumps shrub size class (cm) woody stems >1.4m <u>۲</u> :1 1-<2.5 Z . c 2.5-<5 Plot No : 33/04 • 5×10 10-<15 15 - <20 20 - <25 Page: W 25 - <30 30 - <35 으 Sieweland Metropairs 35 - <40 5 78.0 >40 (record each tree) 9.84



Woody Stem Deer Browse

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

Record using the tally system from 1 to













ASH CANOPY CONDITION

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



В

С

D

E

ASH CANOPY BREAKUP CONDITION (for dead trees):

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

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

24

25

If Ash Condition scores 5 (dead) provide breakup score (A-E)
 Count EAB exit holes 1.25m2 x 21.5m
 Woodpecker and epicormic marked present (1) or absent (0)

leveland Metroparks	5 (4)

CLEVELAND METROPARKS Plant Community Assessment Program: Invasive Species Survey

ore: For Ground-cover plants recor		blait tnan	heser	# edi	01 50	-c soluc	An an mi sete denember
inca minor (G-cover)	Periwinkle					+	
lesperis matronalis	Dame's Rocket					+	
munollui susesdi	lesseT nommoD						
์เรโนฑ ละงense	Canada thistle					\downarrow	
souelg.x .T ,eiloliszans enqy	Cattails (wetland)						
esofitilum eso	Multiflora Rose	(shrub)					
zunle elugner	Glossy Buckthorn	(sprub)					
mutabidaus munogylo	Japanese Knotweed						
(bnellaw) cilentrales and	291img61d9						
hałaris arundinacea	Reed Canarygrass						
morrowii, L. tatarica	Bush Honeysuckles	(shrub)					
igustrum vulgare	Jeving nommoD	(spunp)					
etaloitaq ainsill.	Garlic Mustard						
THE REPORT OF THE PARTY OF THE PARTY.		LEFT CALLS	NE	3S	MS	MN	
bearqeablW: A raiT	and abundant			ean4	BOUB!	No.	złnammoż
muteoilg muniudi	Doublefile Viburnum	(ahrda)					
iburnum opulus var. opulus	European Cranberry	(aprida)					
mutellədmu mulegodtinn	Star of Bethlehem						
bnelfaw) zurocebuezą zi	Yellow Flag Iris						
npas phoenicolasius	Wineberry						
	rnugwort						
piladelphus coronarius	Mock Orange	(spunp)		_			
achysandra terminalis (G-cover	Japanese Pachysandr					1 1	
Jentherococcus pentaphyllus	Five-leaf Aralia	(sprub)				1 1	· · · · · · · · · · · · · · · · · · ·
	Crown Vetch					1 1	
	Lily of the Valley					1 1	
			NE	15	MS	MN	
Tier 3: Presence	de l'interest				ztns 9		รุ่นฮเมเนิงว
ientund sumynou	Wintercreeper	-	and the same of		iotal deven	-	
onicera maackii	Amur Honeysuckle	(spunp)				1 1	
eselladmu sungesel	Autumn Olive	(shrub)				1	
ipsacus laciniatus	Cut-leaf Teasel					+ -	
lnus glutinosa	European Alder	-					
erberis thunbergii	Japanese Barberry	(apunp)				1	
hamnus cathartica	Соттол висктоги	(spunp)					
	Poison Hemlock	11.1.7			-		
orilis sp.	Hedgeparsley					1	
elastrus orbiculatus (vine	Asian Bittersweet					-	
	Bishop's Goutweed						
ythrum salicaria (wetland	Purple Loosestrife			_			
onicera Japonica (vine	Japanese Honeysuckl	a					
emissitle sudtneli.	Tree of Heaven						
cer platanoides	Norway Maple						
		DE LA CALLE	NE	35	MS	MN	
	ransawa		Section 1	The second second	Plants		сошшвир
ccaccw (7 Jail	Hehaald :	and the	STATE OF THE PARTY.	7" R	-4월년(0	E STATE OF	4-4-4-
Tierra: Meciano	HERN SHILLSMALL						
utomus umbellatus (wetland	Flowering Rush					1	
ynanchum fouiseae (wetland wtomus umbellatus (wetland	Black Swallow-wort						
onnuncaticaria (vine (wine (wetlance) (wetlance)	Lesser Celandine Black Swallow-wort						
ynanchum fouiseae (wetland wtomus umbellatus (wetland	Black Swallow-wort		000 m h/	7,6	44.0	FAAA	
onnuncaticaria (vine (wine (wetlance) (wetlance)	Japanese stilltgrass Lesser Celandine Black Swallow-wort		an	35	MS euce	MN	SäĐ

Note: For Ground-cover plants record "stem #" but in comment field describe # of colonies and patch size (5,M, L)
4bCM PCAP Invasive species datasheet.xls last revised 6/10/2011 ceh

Project Label: PCAP Project Name: 02S Plot No.: 3	P	PCAP	Proj	Project Name: 02S	028	1000	yans v	Plot No.:	Plot No.: 3364		Page:	Clavela	© Cleveland Metroparts of
		#	size class	size class (cm) woody stems >	y stems >1	ī							
mod# species	voucher#	shrub	<u>,</u>	1-42.5	2.5	5-<10	5 - 10 - <15	6 15 - <20	7 20 - <25	25 - K30	30 - <35	35 - <40	11 >40 (record each tree)
1 NONE PRESENT													
- 20													No. of the last
3													
4				The second									
បា					1								
Ģ													
7													
8							10 Cars.						
9								,		_			
10							(30)						
* IF EVIDENCE OF PEST OR PATHOGEN RECORD TOTAL SPECIES POPULATION IN THE PLOT EVEN	ATHOGEN F	RECORD TO	AL SPEC	CIES POF	PULATIC	N IN TH	E PLOT		THE NOT INFECTED	T INFEC	TED		
Strata	# of stem infected	Severity (H,M, or L)		* Write	* Write None Present if no evidence:	esent if	no evide	nce:	3				
Tree (size class 3 or above)				Alone	od.	Beech (Fungus)	Fungus)		MONE		Asian Longhorned Beetle	emodor	d Beetle
Shrub (size class 2 or below including shrub clumps)						Hemlock (HWA)	k (HWA)				Other Pest or Pathogen	st or Pat	thogen
						Walnut (Thousand Canker)	(Thousai	nd Cank					
Severity				The second					er)				
High = more than 50% of leaf/needle cover exhibiting symptoms	needle cover		Ξ				ļ		er)				
		exhibiting sym	ptoms				ļ		er)				
Medium = Less than 50% of leaf/needle cover exhibiting symptoms	af/needle cov	exhibiting symer exhibiting s	<u>ptoms</u> symptoms						er)				

in the crip plots (32x32 cm) from corners I and 3 in each intensive module. Required for VIBI+E score calculation. C?*check when collected	rom corners I an score calculation.	C?*check when		CI ASSIGICATION	ON THE			
Vlodule #	C7	Comer Comer		IFIT - excellent g Fit and Confidence	nd Confidence			
				Hadrocemeralic day (WETLANDS ONLY)	MI OVETLANDS	*XTIK		
				n DEPRESSION			F	Conf
	ŀ	<u> </u>		a IMPOUNDMENT a Beaver a Human	5 Beaver o Humon		Fice	Conf
				o RIVERINE o Headwater o Manstern o Chanel	Inales o Monstem	o Channel		Conf-
	i			a SLOPE (ground water by drology or on a physical slope)	r by dralogy or on a phy	sical slope	7	Conf
				O FRINGING IRESERVOIT IN Natural Lake	avoir o Natural Lak		El.	Conf-
				n COASTAL (specify subclass)	subclass)		T	Conf-
				a BOG (strongly, moderately, weekly ombrotrophic)	derately; weekly omi	rotrophic)	Fil-	Conf
				Ohio EPA VIBI Plant Community Class (WETLANDS ONLY):	d Community Class	WETLANDS (WILLY:	
					0.0000000000000000000000000000000000000			
				in FOREST a swamp forest a bog forest a forest seep a EMERGENT a marsh in wet mendow in open bog	forest in bog forest co	forest seep open bog	# # 	Court
				a SHRUB a shrub swamp a tall sh bog a tall sh fen	ump to tall sh bog	udi sh fen	Fit=	Conf=
MICROTOPOGRAPHIC FEATURE COUNTS - Intensive modules only		UNTS - Intensive	Modules only					
s for microhabitat features.	EATURE CO							
Slope 1 = sight elevational grade across module (hill)	EATURE CO. Belled one or sel across module	Rishis for microhabitat features. Selections or select two and average the score.NOTE: If mod tats on a stope automatically gets ranked based on steepness (1-3) to begin + any features present stope 1 = stight elevational grade across module (hill) 5lope 2 = faits on stope -20 * Stope 3 = maximum steepness that can be salety sampled -45 *	e score.NOTE: If mod fals on a Slope 2 = fals on slope ~20 *	od falls on a slope autom slope ~20 *	natically gets ranked Slope 3 = maxin	Slope 3 = maximum steepness that can be safely sampled ~45°	s (F-3) to begin : can be safely si	any features p
pe 1 = shght elevetional grade across module (hill) feature is absent or functionally absent from the welland	EATURE CO. Belied one or sel across module (y absent from the	ed hvo and average th	e score.NOTE: H m Slope 2 = iata on	od falts on a slope autom slope ~20 *	nelically gets ranked Slope 3 = maxin	um sleepness tha	s (1-3) to begin can be safely s	any features p
Slope 2 = slight elevelional grade across module (hill) (lesiure 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 arrial amounts of highest quality feature is present in moderate or greater amounts and of highest quality	EATURE CO. Select one or sel se across module s across module s across module s across module s or greater amou s or greater amou	ed two and average th hall) vertiand receives or if more come of highest quality, or it of highest quality	e score.NOTE: If my Slope 2 = falls on The store quality the store quality the store of the stor	of falfa on a slope auton slope -20 * ghest quality	natically gets ranked Slope 3 = maxin	M3600 Of Stephess tha	s (1-3) to begin can be safely s	mpled ~45*
Slope 1 = slight elevational grade across module (http) 0 feature is absent or functionally absent from the wetland 1 feature is present in the wetland in very small amounts or if more contino 7 feature is present in moderate amounts, but not of highest quality, or in s 10 feature is present in moderate or greater amounts and of highest quality 10 feature is present in moderate or greater amounts and of highest quality	EATURE CO. Baled one or sel a arross module a arross m	ed two and average thing) hill) recitand rounds or if more control of highest quality, or it	Slope 2 = falls on Slope 2 = falls on Thon, of fow quality 1 small amounts of is try	of falls on a slope auton slope -20 ° ghest quality c.w.d cou	natically gets ranked Stope 3 = maxin	un steepriess tha un steepriess tha	s (f-3) to begin can be salely st	npied ~45*
it a shiph dervetional grad- flure is absent or functional flure is present in the well- flure is present in moderal sture is present in moderal	EATURE CO Belied one or sel Belied one or sel a arrows module (a bosen from the nd in very smeal a amounts, but no a or greater amou	ed two and average th hall provided westend mounts or if more come of highest quality, or it highest quality or it highest quality.	Slope 2 = fats on Slope 2 = fats on street and street a	d fals on a slope auton slope -20 * ghest quality C.W.d cou	a slope automatically gets ranked based on steepness (Slope 3 = maximum steepness that ca Slope 3 = maximum steepness that ca ty c.w.d count for pieces with minimum fm length c.w.d count for pieces with minimum fm length	um sterpness tha	can be salely sun	empled -45 "
i 1 = slight elevetional grade flure is absent or functional flure is present in the weta flure is present in moderate ature is present in moderate	EATURE CO Select one or sel secrets module or sel secrets module or sel secrets module or secrets y absent from the nd in very small a secrets amou	ed two and average them. India I welland rounts or if more correct of highest quality, or it not and of highest qual po. of humanocks	Slope 2 = fats on Slope 2 = fats on tow quaky small amounts of h fry depressions	phesi quality C.w.d cou	Stope 3 = maxin Int for pieces with C.v., d (12-40cm)	um sterpress than the property of the length	can be safely san the microhab	npied -45*
rt = shight elevational grad- nurs is absent of functional nurs is present in the wets nurs is present in moderate sture is present in moderate	EATURE CO. Belled one or sel a across module / y absent from the nd in very small a smounts, but no e or greater amou no of	ect two and average th hall hall have liand more commounts or if more commist and of highest quality, or it named to humanocks (Tip-Ups) uplands (Tip-Ups)	Slope 2 = falls on Slope 2 = falls on Thon, of tow quality I small amounts of is try depressions	shope =20° shope =20° shope =20° C.w.d. = cou C.w.d. = cou	Stope 3 = maxin Int (or pieces with c.m.d (12-40cm)	um sterphress than hibrarum 1m lan	can be safely si	npled -45*
it a shight elevertional grade flure is absent or functional flure is present in the welfa flure is present in moderal sture is present in moderal	EATURE CO. Beled one or sel a across module or a across module or a across module a across module a across module a consent from the a or greater amounts, but no a or greater amount no of I tustocks depth J	ed two and average thing welland rounts or if more come of highest quality, or ir nis and of highest quality pa. of hummocks uplands (Tip-Ups) deptils 3	Slope 2 = fats on Slope 2 = fats on Ton, of tow quality To small amounts of hit Try no macro, depressions	ghest quality E.w.d cou E.w.d cou C.w.d cou	Stope 3 = maxin Int for pieces with C.w.d (12-40cm)	um sterpiness that um sterpiness that c.w.d >-40 cm	can be safely sus resicrohab intersper	mpled -45" microbab s. SLOPE
it = slight elevational grad- ture is absent or functional dure is present in the well- ture is present in moderate ature is present in moderate	EATURE CO Belled one or sel a across module of a across module or across module or across module or greater amounts, but not or greater amounts, but not of inasocks across acros	hall hard and average the hall hall hall hall hall hall hall ha	Slope 2 = fats on Slope 2 = fats on ton, of low quality a real amounts of bity no macro. depressions depth 1 Jux lim	ghest quality C.w.d COL C.w.d COL C.w.d. depth 1 10x 10m	Stope 3 = maxin Int for pieces with C.v. d (12-40cm) depth 1	um sterpness the himmum tim ten sterpness the himmum tim ten sterpness the sterpness t	can be safely sar can be safely sar microhab interspess depth 1 10x10m	mpled ~45" microhab s. SLOPE
i 1 = slight elevational grad- flure is absent or functional flure is present in the wells flure is present in moderate ature is present in moderate	EATURE CO. Beled one or sel a scross module / y absent from the nd in very small a or greater amou s or greater amou s of [tasocks ft lms.ocks ft lm. fcount]	ect two and average the hill) hill) restland rounts or if more corns of highest quality, or it not and of highest quality not of highest quality and of highest qual plands (Tip-Ups) depth 3 3 16x3.16m (count)	Slope 2 = falls on Slope 2 = falls on Ton, of low quality Ton, of low quality To macro, depressions depth 1 10x10m (count)	ghest quality slope =20° C.w.d cou C.w.d cou (2-12 cm) depth 1 (Dx 18m (count)	Stope 3 = maxin Stope 3 = maxin C.vd (12-10cm) depth 3 10x10m (count)	um sterphess that um sterphess that ibnimum 1m lan ;:w.d >40 cm 10x10na (count)	can be salely si microla interspe depth toclon (rmik)	mpled -45* mpled -45* SL SL
ppe 1 = slight elevational grad- feature is absent of functional feature is present in the wells feature is present in moderat feature is present in moderate feature is present in moderate.	EATURE CO. Belled one or sell a across module a across module by absent from the and in very small a sements, but no of lussocks around the lussocks around the lussocks around (count)	ect two and average the high page. *verilland *revilland *revil	Slope 2 = falls on Slope 2 = falls on small amounts of to try no macro, depressions depth 1 30x10m (count)	ghest quality slope =20° C.W.d cou	stope 3 = maxin C.n.d (12-40cm) depth 1 15/k10m (count)	um sterphess the	can be safely si microha interspo	mpled 45" microbal b. microbal s. SLOPE 10x 10rr
it a shight elevational grade ture is absent or functional dure is present in the welfs ture is present in moderate share is present in moderate share is present in moderate.	EATURE CO. Beled one or sel a across module a across module by absent from the remounts, but no or greater amou	hall) hall averland repland or if more conn of highest quality, or if his and of highest quality pa. of hummocks uplands (Tip-Ups) depth 2 3 16x3 16m (count)	Slope 2 = fats on Slope 2 = fats on small amounts of the try no macro. depressions depth 1 10x 10m (count)	ghest quality c.w.d cou c.w.d cou c.w.d cou c.w.d. (2-12 cm) depth 1 10x16m (count)	Stope 3 = maxin Stope 3 = maxin c.n.d (12-40cm) depth 1 10x10m (count)	um sterpress that un sterpress that count in land count in land (count)	can be safely sinterspo	mpled -45° mpled -45° s. SI.
it is shipht elevational grad- flure is absent or functional flure is present in the well- share is present in moderal abare is present in moderal	EATURE CO Belled one or sel seaross module or sel seaross module or service seaross module or greater amou	ect two and average the man wetland mounts or if more corn not shiphest quality, or it highest quality, or it humanocks uplands (TIp-Ups) depth 2 3 1(c.3.) fem	Slope 2 = fats on Slope 2 = fats on on, of low quality 1 arrall amounts of it ity no macro. depressions depth 1 30x10m (count)	ghest quality slope -20* C.w.d cou C.w.d cou C.w.d. (2-12 cm) depth 1 (0x 19m (count)	adically gets ranked Stope 3 = maxin c.v.d (12-40cm) depth 1 15vx10m (couph)	um sterpress the count of the land of sterpress the count of the land of the l	can be safely sinterspo	mpled -45" St. St. St.
it is slight dervetional grad- flure is absent or functional sture is present in moderate ature is present in moderate corners.	EATURE CO. Belled one or sel a across module / by absent from the dr heey small a sen greater amou no of lussocks liclm (count)	ect two and average the hall be welland mounts or if more commons and of highest quality, or in humanocks uplands (Tip-Upa) depth 2 3 (cc.) from (count)	Slope 2 = falls on Slope 2 = falls on Ton, of low quality 1 small amounts of it by depits i 30x film (count)	ghest quality shope =20° C.W.d cou C.W.d	stope 3 = maxin c.n.d (12-40cm) depth 1 13/k10m (coval)	um sterphress that Levid >40 cm	can be safely sinterspo	mpled -45" Rill SI 10
it is shight elevational grade flure is present or functional dure is present in the welfs there is present in moderate share is present in moderate share is present in moderate.	EATURE CO Beled one or sel a across module / p absent from the fy absent from the nemounts, but no or greater amou	ect two and average the hall hall hall hall hall hall hall ha	Slope 2 = faths on Slope 2 = faths on To meal amounts of h fly depressions depressions depressions	shope -20° shope -20° c.w.d cou c.w.d cou c.w.d cou c.w.d. c.w.d. count) depth 1 t0x 10m (count)	Stope 3 = maxin C.n. d (12-40cm) depth 1 Jirclüm (coupl)	um sterphress that county to less that sterphress that sterphr	can be safely sinterspecial to class of the control	mpled -45" Ril III
it = slight elevational grad- flure is absent or functional flure is present in the wells flure is present in moderate estare is present in moderate correct	EATURE CO. Belled one or sell a surrors module / a surrors module / a surrors module / a surrors module / b sor greater amou fr lmsocks fr lm ((count))	ect two and average the mediand rections of more constructed in highest quality, or it more constructed in highest quality, or it hummocks uplands (Tip-Ups) depth 3 3 16x3 16m (count)	s score NOTE: If my Slope 2 = fats on The fats of the quality 1 truel amounts of bity no macro depits i 10x libm (count)	ghest quality slope -20° C.w.d cou C.w.d cou C.w.d cou C.w.d. count) depth 1 (tox 16m (count)	Int for pieces with (12-10cm) depth 1 10x10m (count)	um sterpness that depth 1 10x1 fra	can be salely sinterspo	npied -45°
it is slight dervetional grad- flure is absent or functional slure is present in moderate addit certain in moderate corners	EATURE CO. Belied one or sel a across module / by absent from the function of lussocks from of lussocks from found foun	ect two and average the hell pell pell pell pell pell pell pe	s score NOTE: If my Slope 2 = falls on on, of low quality 1 small amounts of hitry no macro, depth 1 10x (town)	shope -20° shope -20° c.w.d cou c.w.d cou c.w.d. cou c.w.d. cou count) 34 34 34	Andically gets ranked Stope 3 = maxin C.w.d (12-40cm) depth 1 Jirk10m (count)	um sterphress that county for less that sterphress that sterph	can be safely sinterspecture of the can be safely sinterspecture. The can be safely sinterspecture.	mpled -45" File St.

Plot No.: 3504

CLEVELAND METROPARKS Plant Community Assessment Program - Plant Cover and Earth Surface Project Label: PCAP Project Name: 02 80 10 15

Page: 1 of 1

eNAB INDICES (degrees) + for up - for down

LLED OUT USING GIS PROGRAM - DO NOT FILL OUT IN FIELD]

+315 degrees	+270 degrees	1225 degrees	+1 %0 degrees	+135 degrees	+90 degrees	#45 degrees	At aspect	
WN	¥	WS	s	SE	æ	N.	z	
								1.51:
								131
	Grws.	standing - 10 m	recorders eye to	TSI measure	local slopes. For	horizon. TSI is	I.FT is angle of]

andform index (position within tandscape)
Terrain Shape index (alle microlopographic shape)

CROWN COVER (DENSIONIETER). MAke 4 readings per module flecing N. S. E. W. Place dot count in corresponding space. (4 dots per grid square)

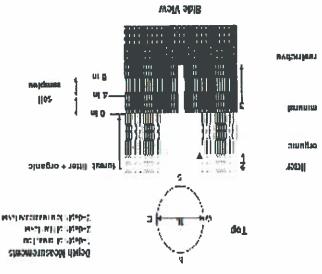
ş-		u-	n-	Medule	
8	r D	0	2	2	
Q	w	Ø.	Q	tet	
e	-	W	W	¥]

Cleveland Member*	Oho Shale	F	ER DEVONIAN
Section Sizie			
"snoisbre2 sere3			
grupnus Aungung		ACCOUNT OF THE PARTY OF THE PAR	
järedmem beman aucremun vedmeM enotabna2 bnah Abat3 erom enti to ero ai atinu trataia se	Cuyahoga Formation*		MISSISSIPPAN
Vinton Sendstone Member Alleneville Conglomerate Member Byer Sandstone Member	Logan Formation*		
Potizivilje Group" -			LOWER PENNSYLVANIAN

FIGURE 3.00....Cameralized section of Upper Devomina Ministippium and Lower Pennsylvanian formations in northeastern Otto Autorities and Lower Pennsylvanian formations in northeastern Otto Autorities in the formation of the section representation of the section is not to include the section in north seals, but the inclineaster national extra a fraction of the section is nor to Ministipum formation. Marvid Same Federate uses the European care in Marvid Same Federate uses the European care of Ministipum Pennsylvanian Petrologian, which sections of European care the European care of the Company of Ministipum Pennsylvanian Petrologian in Orion are a spectratellar master to the Company of Ministipum Company of Ministipum Company of Ministipum Pennsylvanian Petrologian in Dorion and Ministipum Company of Mini

heron Member"

150000	4
s up to 1.5 cm Deight or as <2.5 cm DBH in and shrub layers.	***Tree seedlings are often defined a
	"Very tall shrubs are sometimes inclu- "Can also include seedlings of shrub
Submerged	Aquatic (submerged)
gnitsol7.	gnitsol7
Herb, dwarf-shrub", tree (seedling***)	Herb (Field)
Tree (sapting), shrub, liana, epiphyte)	Shrub (generally 0.5 to 5 m)
ebibpàre)	
Tree (overstory), very tall shrubs*, liana,	(m č< vilisianag) aarī
GENERAL FORM	MUTARTS
	COVER BY STRATA



CLEVELAND METROPARKS Plant Community Assessment Program - Soils, Crown Cover, Standing Biomass Data Sheet 54
Project label: PCAP Project Name: 02 8 2015
Project label: PCAP

(P) Obevolved Metroparks

Page: 1 of 1

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

Soil pit module # ____ (one per entire plot)

20 cm E 2 matrix color matrix color texture. hydro, cond *** hydr. cond.*** edax features** mid roots odox features** and roots mottle ottle color offic color I S M D I S M D z z

refer to lexture classes on reverse side

** e.g. hydrogen suffide odor, gleying, etc. "indurdated S-raturated M-most D-dry

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

mopa: Worms, cashing no worms observed. Modes: worms, casting and middens present. mods: Cashnas presin wo worms observed.

> 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

Series Type: Series Source: Ohio Soil Survey Series Layer: th to real. Layer: th Material: AINAGE* ACCESSIVELY dr. COMMONTHER CONTROLLING COM	Soil Collection Modul Horizon (A. B. C)	2,3,4,9 composited A	Web Sell Survey Information:	Soil Series/Type:	Soil Series Source: Ohio Soil Survey	Landform type:	Depth to rest. Layer.	Parent Moterial	DRAINAGE+	in Excessively dr. in Somewhat excessively	□ Well drained □ Moderately well dr.	a Somewhat poorly dr. a Very poorly dr.	a Impermeable surface
--	---	----------------------	------------------------------	-------------------	--------------------------------------	----------------	-----------------------	-----------------	-----------	--	--------------------------------------	---	-----------------------

EARTH SURFACE & GROUND COVER	CE & GROU	ND COVER	
Underlying Earth Surface	Surface*	Ground Cover	
(Sum - 100%)	percent	(Each ≤ 100%)	percent
Histosol	f	Coarse Woody Debru***	٥
Nineral Soil	98	Fine Woody Debris****	7
Gravel-Cobble*	2	Litter	84
Boulder**	1	Duff (Ferm.+ Humus)	0
Bedrock	1	Brysphyle- Lichen	_
* Gravel-Cobble = 1/16-10*	1/16-10"	Water	0
**Boulder = > 10 in	5	Bare Soil	_
*** >5 cm in diameter	तंत	Road/Trail	O
	neter	Other	

o Hiking sanctioned

Bridle

All Purpose

a Bootley unsanctioned

Type

%Cover

TRAIL INFORMATION:

NONE

scord type and cover for each

o Deer

Gravel

SOIL DEPTH 0.1 cm in cent record as >30	SOIL DEPTH MEASUREMENT: Measure to the nea 0.1 cm in center of intensive modules. If >30.5 cm record as >30	JREMENT: I tensive mod	Measure to tules. If >3	the nearest 0.5 cm,	
mod#	i litter+ organie depth (cm)	2 litter depth (cm)	water depth (cm)	depth sat soil (cm)	
ى	1.9	1.8	Ø	Ø	100
N	0.3	5.0	Ø	Ø	
«	1.9	10.1	Ø	0	
4	1.0	1.0	Ø	Ø	

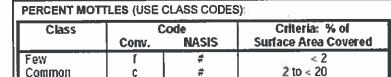
COVER BY STRATA estimate using midpoin	COVER BY STRATA estimate using midpoints of 5,ex:3, 8, 13	,ex:3, 8, 13
Strata	Height Range (m)	Total Cover (%)
Tree	5.0.	8 b
Shrub	0.5.8	82
Herb	S. Q	13
(Floating)*	٠,	-
(Aquatic)*	1	1
· rooted and it	* noted and floating or slightly emeraed ** submersed, most plant mass below surface	sed w surface
SEE BACK OF	SEE BACK OF PAGE FOR TYPICAL STRATA	L'STRATA

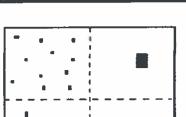
plot size	3 x plot size	x plot size	100 x plot size	00 x plot size	x plot size	AND SIZE	
	_						

0 V

151

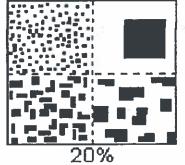
and middens present





m

Many



erraces

riser

20

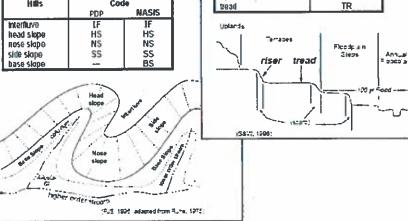
SOIL TEXTURE: Record the code for the soil texture of the 5 cm and 20 cm layers. To estimate texture, collect a soil sample from the appropriate layer and moisten it with water to the consistency of modeling clay/wet newspaper; the sample should be wet enough that all of the particles are saturated but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

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

Geomorphic Component - Three-dimensional descriptors of parts of landforms or microfeatures that are best applied to areas. Unique descriptors are available for Hills, Terraces, Mountains, and Flat Plains: e.g., (for Hills) nose slope or NS.

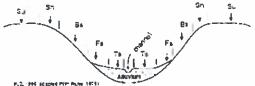
NASIS PDP IF interfluve LF head slope HS HS NS NS nose slope side slape SS SS hase slone

2%



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

POSIL	100	Coge
summit		SU
shoulder	- 1	SH
hackslope	- 1	BS
footslape		FS
toeslope	- 1	TS



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

UPLAND: Not a wetland. Very rarely flooded.

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

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

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

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

INTERMITTENTLY FLOODED: Substrate is usually exposed, but surface water can be present for variable periods without detectable seasonal periodicity. Inundation is not predictable to a given season and is dependent upon highly localized rain storms. This modifier was developed for use in the arid West for water regimes of Playa lakes, intermittent streams, and dry washes but can be used in other parts of the U.S. where appropriate. This modifier can be applied to both wetland and non-wetland situations. Equivalent to Cowardin's Intermittently Flooded modifier.

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

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

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